

Author

O

CELESTIAL M

fo

Volume 1, June 1969 through

*Compiled by*

KLUWER ACADEMIC

DORDRECHT / N

Author

o

CELESTIAL

fo

Volume 1, June 1969 through

*Compiled by*

KLUWER ACADEMIC

DORDRECHT / THE NETHERLANDS

Authors Index

of

L MECHANICS

for

through Volume 44, 1988–1989

*edited by* M. S. Davis



ACADEMIC PUBLISHERS

HEATH / BOSTON / LONDON

## Authors

Aarseth, S.J., and Zare, K.

Abad, Alberto J., and Docobo, Jose A.

Abalakin, V.K. >See Davies, M.E. 22,3

Abalakin, V.K. >See Davies, M.E. 29,4

Abalakin, V.K. >See Davies, M.E. 39,1

Abbitt, Matt W. Jr. >See Lutze, Frederick H. Jr. 1,1

Abbot, Richard I. >See Shelus, Peter J. 12,1

Abdulla, A.Y. >See Jupp, A.H. 34,1-4

Abdulla, Ali Y. >See Jupp, Alan H. 37,2

Abdulla, Ali Y. >See Jupp, Alan H. 30,3

Aerts, Christine >See Roels, Jacques 44,1-2

Aguilar, Luis A.

Ahmed, A.H., and Tapley, Byron D.

Ahmed, Samy, and Aly, El-Hafiez

Aksenov, E.P. >See Brumberg, V.A. 39,2

Aksnes, K.

Aksnes, K., Anderson, P.H., and Haugen, E.

Aksnes, Kaare

Aksnes, Kaare

Aksnes, Kaare

Albrycht, Jerzy, and Marciniak, Andrzej

Alfaro, J. Martinez

Alfaro, J. Martinez, and Reglero, V.

Alfaro, J. Martinez. >See Llibre, Jaume. 35,2

Alfriend, K.T.

Alfriend, K.T.

A Regularization of the Thr  
The Application of Hierarch  
of the Movement of Subsy

Dissipationless Collapse an  
Equivalence of the General  
and the Method of Averag  
Rotational Evolution of a S  
around the Center of Mas

Short-Period and Long-Per  
Satellite Due to Direct Sol  
A Precise Multipass Metho  
A Note on the Main Proble  
Eccentricities, by a. Depri  
Orbit Improvement from S  
Outer Planet Missions  
On the Choice of Reference  
and Perturbation Method  
Orbit Calculations nearby  
Mechanics Method  
Collision Orbits in the Obl  
Classes of Orbits in the Ma

The Stability of the Triang  
for Commensurability of  
Stability and Motion in Tw  
for Two-To-One Commen



Title	Vol.	Iss.	Date Pub.	Page
Three-Body Problem	10	2	Oct-74	185
Hierarchical Relative Coordinates to The Analysis	41	1-4	1987-1988	333
Subsystems of Many-Body Problems	22	3	Oct-80	205
	29	4	Apr-83	309
	39	1	May-86	103
	1	1	Jun-69	31
	12	1	Aug-75	57
	34	1-4	Sep-84	411
	37	2	Oct-85	183
	30	3	Jul-83	297
	44	1-2	1988-1989	77
Collapse and the Formation of Elliptical Galaxies	41	1-4	1987-1988	3
Generalized Lie-Hori Method	33	1	May-84	1
Averaging				
of a Symmetric Gyrostat with Visco-Elastic Bars	40	3-4	1987	225
of Mass in a Circular Orbit	39	2	1986	115
Long-Period Perturbations of a Spherical	13	1	Feb-76	89
Direct Solar Radiation				
Method for Satellite Doppler Positioning	44	4	1988-1989	317
Problem of Satellite Theory for Small	4	1	Sep-71	119
Deprit and A. Rom, 1970				
from Satellite Imaging Data Obtainable From	8	1	Aug-73	99
ions				
Reference Orbit, Canonical Variables,	8	2	Sep-73	259
Method in Satellite Theory (abstract)				
Nearby the Equilibrium Points by a Discrete	24	4	Aug-81	391
The Oblate Planet Problem	33	4	Aug-84	375
The Main Problem of Satellite Theory	38	2	Feb-86	163
	35	2	Feb-85	113
Triangular Lagrangian Points	1	3-4	Feb-70	351
Stability of Order Two				
in Two Degree-of-Freedom Hamiltonian Systems	3	2	Mar-71	247
Incommensurability				

# Authors

Alfriend, K.T.

Alfriend, K.T., and Coffey, S.L.

Alfriend, K.T., Dasenbrock, R., Pickard, H., and Deprit, A.

Alfriend, Kyle T.

Alfriend, Kyle T., and Richardson, David L.

Allan, R.R.

Allan, R.R.

Altavista, Carlos A.

Altman, Samuel P.

Altman, Samuel P.

Aly, El-Hafiez. >See Ahmed, Samy. 40,3-4

Ananda, Mohan

Anderson, J.D. >See Broucke, R. 24,1

Anderson, John D. >See Blitzer, Leon. 25,1

Anderson, P.H. >See Aksnes, K. 44,4

Andrus, Jan F.

Anikovsky, V.V. >See Zhuravlev, S.G. 24,3

Anselmo, L., Bertotti, B., Farinella, P., Milani, A., and Nobili, A.M.

Antonacopoulos, G. >See Dionysiou, D. 23,2

Aoki, Shinko

Aoki, Shinko, and Kinoshita, Hiroshi

Aoki, Shinko, and Kakuta, Chuichi

Aoki, Shinko. >See Fukushima, Toshio. 38,3

Aoki, Shinko. >See Kinoshita, Hiroshi. 31,4

Arazov, G.T.

Arazov, G.T.

Arazov, G.T., and Gabibov, S.A.

Stability of and Motion about

Elimination of the Perigee

The Extended Phase Space

A Nonlinear Stability Problem

Three Body Problem

Third and Fourth Order Resonances

The Critical Inclination Problem

Commensurable Eccentricities

On a New Form for the Distribution of the Three-Body Problem

A Unified State Model of Orbital Motion

Velocity-Space Maps and Trajectories

Orbital Trajectory State Estimation

Mean Rates of the Orbital Elements

Lens Shaped Mass Concentration

First-Order Effects of the Lunar Perturbations

Orbital Perturbations Due to the Earth's Oblateness

for a Spacecraft of Complex Shape

Relation between the Celestial Mechanics and the Terrestrial Reference Frame

Note on the Relation between the Earth's Rotation and the Terrestrial Reference Frame

Guinot's Non-Rotating Orbital Elements

The Excess Secular Change in the Earth's Rotation and its Relation to the Inertial Frame

The Solution of The Planar Restricted Three-Body Problem

On Some Applications of The Planar Restricted Three-Body Problem to Geophysics

On the Classification of Motion in The Planar Restricted Three-Body Problem

Problem of Three Fixed Centers

Title	Vol.	Iss.	Date Pub.	Page
on about L4 at Three-To-One Commensurability	4	1	Sep-71	60
erigee in the Satellite Problem	32	2	Feb-84	163
Space Formulation of The Vinti Problem	16	4	Dec-77	441
y Problem in the Three Dimensional Restricted	5	4	Jul-72	502
n				
der Resonances in Hamiltonian Systems	7	4	Jun-73	408
n Problem: a Simple Treatment	2	1	May-70	121
entric Orbits near Critical Inclination	3	3	Apr-71	320
he Differential Equations of Relative Motion of	6	2	Sep-72	208
blem				
el of Orbital Trajectory and Attitude Dynamics	6	4	Dec-72	425
and Transforms of Tracking Observations for	11	4	Jun-75	405
State Analysis				
	40	3-4	1987	225
rbital Elements of a Satellite Perturbed by a	12	4	Dec-75	495
Concentration				
	24	1	May-81	63
	25	1	Sep-81	65
	44	4	1988-1989	317
f the Earth's Oblateness upon Coasting Bodies	15	2	Mar-77	217
	24	3	Jul-81	237
s Due to Radiation Pressure	29	1	Jan-83	37
Complex Shape				
	23	2	Feb-81	109
e Celestial Reference System	42	1-4	1987-1988	309
Reference System of a Rigid Earth				
between the Equinox and	29	4	Apr-83	335
ing Origin				
Change in the Obliquity of the Elliptic	4	2	Oct-71	171
the Internal Motion of the Earth				
	38	3	Mar-86	215
	31	4	Dec-83	329
Plane Problem of n Fixed Centres	16	1	Sep-77	41
ns of The Problem of Many Fixed Centres	25	4	Dec-81	345
n of Motion in the Generalized Two-Dimensional	17	1	Jan-78	49
Fixed Centres (Russian)				

## Authors

Arazov, G.T. and Gabibov, S.A.

Arazov, G.T., and Habibov, S.A.

Arenstorf, R.F.

Arenstorf, R.F.

Arenstorf, R.F.

Arenstorf, R.F., and Bozeman, R.E.

Arlot, J.E.

Arlot, Jean-Eudes

Armenti, Angelo Jr.

Ash, Michael, E.

Azizov, A. G., and Korshunova, N.A.

Babadzanjanz, L. K., and Brumberg, V.A.

Babadzanjanz, L.K.

Baker, Robert M.L. Jr., Jacoby, and Neil H. Jr.

Balli, R., and Pucci, E.

Balmino, G.

Balmino, G., and Borderies, N.

Banfi, V.

Banfi, V.

Baranov, A.S.

Baranov, A.S.

Barbanis, B.

Barbanis, B.

The Intermediate Orbit of Res

Constructed on the Basis of

the Three Fixed Centres

On the Solution of the Problem

Some Families of Periodic Sol

Periodic Solutions of Circular

Problem

Central Configurations of Fou

Periodic Motions in a Planar

The Determination of The Ce

from Photographic Plates

A Comparison of Some Observ

Sampson's Tables

A Classification of Particle M

a Gravitational Monopole-Q

and General Relativity

Doubly Averaged Effect of the

Earth Satellite Orbit

On an Analytical Solution of

in a Gravitational Field

Influence of a Hyperbolic Fly

of a Massive Binary

Existence of the Continuation

Preliminary Orbit Determina

Singularity

Regular Precessions of a Gyro

Coriolis Forces in Numerical

and Absolute Reference Syst

Gravitational Potential of Sol

A Correction to Griffith's Ret

for the (n+1) Body Problem

On Gouda's Surfaces in the M

Capture of Stars by Rotating

Periodic Orbits of Stars in Ax

The Stochastic Behaviour of

Evolution of Families of Dou

Title	Vol.	Iss.	Date Pub.	Page
of Resonance Asteroids of The Hecuba Family	20	1	Jul-79	83
sis of Solution of the Internal Variant of es				
Problem of Three Fixed Centres	15	3	Apr-77	265
ic Solutions in the Planet N-Body Problem	14	1	Aug-76	5
rcular-Elliptic Type in the Planar N-Body	17	4	May-78	331
of Four Bodies with One Inferior Mass	28	1-2	Sep-82	9
planar Restricted (N+1)-Body Problem	16	2	Oct-77	179
the Center of Gravity of a Planet	26	2	Feb-82	199
ates				
Observations of the Galilean Satellites with	12	1	Aug-75	39
icle Motions in the Equatorial Plane of	6	4	Dec-72	383
pole-Quadrupole Field in Newtonian Mechanics				
y				
of the Moon and Sun on a High Altitude	14	2	Sep-76	209
on of the Optimum Trajectory Problem	38	4	Apr-86	297
id				
ic Flyby of a Small Mass on the Orbital Evolution	41	1-4	1987-1988	313
uations in the N-Body Problem	20	1	Jul-79	43
mination Method Having No Co-Planar	15	2	Mar-77	137
a Gyrostatic Satellite in a Circular Orbit	17	4	May-78	317
erical Integration of Satellite Orbits, ce System	10	4	Dec-74	423
of Solid Bodies in the Solar System	17	2	Feb-78	113
's Retention Theorem	32	2	Feb-84	93
blem				
the Magnetic-Binary Problem	40	1	1987	67
ating Homogenous Spherical Clusters	11	4	Jun-75	517
in Axisymmetrical Stellar Systems	20	3	Oct-79	251
ur of a Galactic Model Dynamical System	33	4	Aug-84	385
f Double-and Triple-Periodic Orbits	36	3	Jul-85	257

# Authors

Barbanis, B.  
 Barbanis, Basil  
 Barkham, P.G.D., Modi, V.J., and Soudack, A.C.

Barkham, P.G.D., Modi, V.J., and Soudack, A.C.

Barrar, Richard B.  
 Bartlett, J.H. >See Jenkins, R.Z. 5,4  
 Bartlett, J.H. >See Mullins, L.D. 7,4  
 Bartlett, J.H., and Wagner, C.A.  
 Bartlett, James H.  
 Bartlett, James H.  
 Barton, D.  
 Batrakov, Yu. V., and Sokolov, V.G.

Baum, W.A.

Baumgarte, J.

Baumgarte, J.

Baumgarte, J.  
 Baumgarte, J.  
 Baumgarte, J.  
 Baumgarte, J.  
 Baumgarte, J., and Stiefel, E.  
 Baumgarte, Joachim W.  
 Baumgarte, Joachim, and Von Grunhagen, Wolfgang

Baxa, P.A. >See Broucke, R. 8,2  
 Bazzani, A.  
 Beal, Byron. >See Lundberg, John. 36,2  
 Beaudet, P.R. >See Feagin, T. 13,1  
 Bec, A.  
 Bec-Borsenberger, A.

Irregular Periodic Orbits  
 Trapping of Particles in a T  
 Asymptotic Solutions in the  
 Part II: Periodic Orbits in  
 Asymptotic Solutions in the  
 Part I: Planar Three-Body  
 Convergence of the Von Zeip

The Stability of Motion in a  
 Instability of an area-Prese  
 Limits of Stability for an Ar  
 Expansions in Power Series  
 Earth Satellites in Resonan  
 of Laser Ranging. Analyti  
 The Ability of The Space Te  
 Systems  
 Numerical Stabilization of t  
 Keplerian Motion  
 Numerical Stabilization of  
 Body Problem  
 Stabilized Kepler Motion C  
 A New Time Element for A  
 A Further Remark to 'Anot  
 The Importance of The Lie  
 Stabilization by Manipulati  
 Stabilization by Modification  
 A Stabilization Procedure f  
 Symmetric Gyroscope incl

Normal Forms for Symplect

Sur l'effet d'une correction  
 Theorie litterale du neuviem  
 (Literal Theory of The Niri

Title	Vol.	Iss.	Date Pub.	Page
bits	39	4	1986	345
in a Time-Dependent Hamiltonian	14	2	Sep-76	201
in the Many-Body Problem.	15	1	Feb-77	5
bits in Four-Body Systems				
in the Many-Body Problem.	14	4	Dec-76	465
-Body Systems				
on Zeipel Procedure	2	4	Nov-70	494
	5	3	May-72	407
	7	4	Jun-73	421
on in a Periodic Cubic Force Field	2	2	Jul-70	228
Preserving Polynomial Mapping	17	1	Jan-78	3
an Area-Preserving Polynomial Mapping	28	3	Nov-82	295
Series by Computer	20	1	Jul-79	3
sonance with the Moon and the Sun as Objects	6	2	Sep-72	247
analytical Solution for their Motion				
ance Telescope to Detect Extra-Solar Planetary	22	2	Jul-80	183
on of the Differential Equations of	5	4	Jul-72	490
on of All Laws of Conservation in the Many	8	2	Sep-73	223
ion Connected with Analytic Step Adaptation	13	1	Feb-76	105
for A General Time Transformation	14	1	Aug-76	121
'Another Regularization of the Kepler Problem'	18	3	Oct-78	255
the Lie Algebra $so(4,2)$ for the Kepler Problem	21	1	Jan-80	43
putation of the Hamiltonian	10	1	Aug-74	71
fication of the Langrangian	13	2	Mar-76	247
cedure for the Differential Equations of the	20	2	Aug-79	
oe including Perturbing Torques				173
	8	2	Sep-73	261
mplectic Maps of $R^{2n}$	42	1-4	1987-1988	107
	36	2	Jun-85	191
	13	1	Feb-76	111
ction de la constante de la precession	4	2	Oct-71	277
euvieme satellite de saturne. Phoebe	26	3	Mar-82	271
the Ninth Satellite of Saturn, Phoebe)				

## Authors

Bec-Borsenberger, Annick

Beck, A. >See Longman, R. 25,4

Becker, Klaus

Belbruno, E.A.

Belbruno, E.A.

Belbruno, E.A.

Belen'kii, I.M.

Beletskii, V.V.

Beletskii, V.V.

Benedict, G.F. >See Jefferys, W.H. 37,3

Benedict, George

Benest, D.

Benest, Daniel

Bennettin, Giancarlo, Galgani, Luigi, and Giorgilli, Antonio

Berge, G.L. >See Muhleman, D.O. 37,3

Berger, A.

Berger, X.

Berkovi, L.M.

Berreen, T.F.

Berreen, T.F., and Crisp, J.D.C.

Bertotti, B. >See Anselmo, L. 29,1

Bertotti, Bruno

Bettis, D.G.

Bettis, D.G.

Bettis, D.G. >See Graf, O.F. 11,4

Etude d'une solution de la theorie du mouvement de la lune. c

Graphisches Konstruktions

Bewegungsparameter eines

Nutationsdampfung unter d

Two-Body Motion under the

Equivalent Geodesic Flows

A New Family of Periodic Or

A New Regularization of The

and an Application

A Method of Regularizing the

force-Field

Resonance Rotation of Celest

Tidal Evolution of Inclination

C. Jäschke and W. Heintz (ed

Stable Planetary Orbits arou

Libration Effects for Retrogr

Three-Body Problem. I: Cir

A Proof of Nekhoroshev's The

in Nearly Integrable Hamil

Long-Term Variations of the

Theorie analytique program

artificiels sous l'action gravi

Gylden-Mercertskii Problem

The Trajectories of a Spacep

a Circular Orbit

An Exact and a New First-O

Trajectories of a Probe Ejec

Supplemental Satellites and

Stabilization of Finite Differ

of Numerical Integration

A Runge-Kutta Nystrom Alg



Title	Vol.	Iss.	Date Pub.	Page
de la theorie litterale du probleme principal	20	4	Nov-79	355
une. convergence formelle				
	25	4	Dec-81	353
tionsschema zur Bestimmung der	9	2	Apr-74	269
eines Drallstabilisierten Flugkorpers mit				
unter dem Einfluss von Lagekorrekturimpulsen				
er the Inverse Square Central Force and	15	4	Aug-77	467
Flows				
edic Orbits for The Restricted Problem	25	2	Oct-81	195
of The Restricted Three-Body Problem	25	4	Dec-81	397
ng the Equations of Motion in the Central	23	1	Jan-81	9
Celestial Bodies and Cassini's Laws	6	3	Nov-72	356
nations and Rotations of Celestial Bodies	23	4	Apr-81	371
	37	3	Nov-85	299
ntz (eds.), Automated Data Retrieval Astronomy	30	4	Aug-83	425
s around One Component in nearby Binary Stars	43	1-4	1987-1988	47
etrograde Satellites in the Restricted	13	2	Mar-76	203
I: Circular Plane Hill's Case				
y's Theorem for the Stability Times	37	1	Sep-85	1
Hamiltonian Systems				
	37	3	Nov-85	329
of the Earth's Orbital Elements	15	1	Feb-77	53
grammee du Mouvement des satellites	11	3	May-75	281
gravitationnelle de la terre				
oblem	24	4	Aug-81	407
spaceprobe Ejected from a Space Station in	20	4	Nov-79	405
First-Order Solution for the Relative	13	1	Feb-76	75
e Ejected from a Space Station				
	29	1	Jan-83	37
es and Lunisolar Precession	44	1-2	1988-1989	31
Difference Methods	2	3	Oct-70	282
tion				
m Algorithm	8	2	Sep-73	229
	11	4	Jun-75	433

## Authors

Bettis, D.G., and Horn, M.K.

Betz, Harry R. >See Kent, Jack T. 1,1

Bhatnagar, K. B., and Gupta, Usha

Bhatnagar, K.B., and Chawla, J.M.

Bhatnagar, K.B., and Hallan, P.P.

Bhatnagar, K.B., and Hallan, P.P.

Bhatnagar, K.B., and Hallan, P.P.

Bhatnagar, K.B., and Hallan, P.P.

Biancale, R., Ferraz-Mello, S., and Tsuchida, M.

Bien, R., and Schubart, J.

Bien, Reinhold

Black, W.

Black, W. >See Markellos, V.V. 9,4

Black, W. >See Moran, P.E. 8,3

Black, W. >See Roy, A.E. 6,4

Blanton, Jeffrey N. >See Junkins, John L. 7,4

Blanton, Jeffrey N. >See Morton, Harold S. Jr. 10,3

Blitzer, L. >See Broucke, R. 24,1

Blitzer, Leon

Blitzer, Leon

Blitzer, Leon

Blitzer, Leon >See Hamill, Patrick J. 9,1

Blitzer, Leon, and Anderson, John D.

Blitzer, Leon. >See Lass, Harry. 30,3

Boggs, D. >See Broucke, R. 11,1

Boggs, D. >See Broucke, R. 14,3

Boigney, Francois

An Optimal  $(m+3)[m+4]$  Run

The Existence and Stability of

Moving around another Tri

The Effect of Oblateness of T

Libration Points in the Res

Effect of Perturbations in Co

Stability of Libration Points

Effects of Perturbed Potentia

Points in the Restricted Pro

The Effect of Perturbations i

on the Nonlinear Stability o

Restricted Problem of Thre

Comparison of Sampson-Lie

of Jupiter with Observatio

Trojan Orbits in Secular Res

Stationary Solutions in Simp

Restricted Three-Body Pro

Practical Considerations in t

Problem by Taylor Series M

Application of Spin-Orbit Th

Resonances: the Case of Tit

Precession Dynamics in Spin

Hyper-Elliptic Orbits

Theory of Satellite Orbit - O

Elimination des noeuds dan

(Elimination of Nodes in th

Title	Vol.	Iss.	Date Pub.	Page
Runge Kutta Algorithm	14	1	Aug-76	133
	1	1	Jun-69	91
Stability of the Equilibrium Points of a Triaxial Rigid Body	39	1	May-86	67
on a Triaxial Rigid Body				
Class of The Bigger Primary on Collinear	16	2	Oct-77	129
the Restricted Problem of Three Bodies				
in Coriolis and Centrifugal Forces on the	18	2	Aug-78	105
Points in the Restricted Problem				
Potentials on the Stability of Libration	20	2	Aug-79	95
ed Problem				
tions in Coriolis and Centrifugal forces	30	1	May-83	97
Stability of Equilibrium Points in the				
of Three Bodies	30	1	May-83	
on-Lieske Theory of the Galilean Satellites	26	3	Mar-82	225
Evolution				
near Resonances	34	1-4	Sep-84	425
on Simplified Resonance Cases of the	21	2	Feb-80	157
y Problem				
ns in the Numerical Solution of the N-Body	8	3	Nov-73	357
Series Methods				
	9	4	Jul-74	507
	8	3	Nov-73	405
	6	4	Dec-72	468
	7	4	Jun-73	398
	10	3	Nov-74	287
	24	1	May-81	63
Orbit Theory to a Class of Orbit-Orbit	16	1	Sep-77	87
of Titan-Hyperion				
on Spin-Orbit Coupling: A Unified Theory	32	4	Apr-84	355
	42	1-4	1987-1988	215
	9	1	Mar-74	127
Orbit - Orbit Resonance	25	1	Sep-81	65
	30	3	Jul-83	225
	11	1	Feb-75	13
	14	3	Nov-76	383
ls dans le probleme newtonien des quatre corps	27	4	Aug-82	399
s in the Newtonian Four-Body Problem)				

## Authors

- Bois, Eric  
 Bois, Eric  
 Bonavito, N.L. >See Watson, J.S. 11,1  
 Bond, V. >See Szebehely, V. 30,1  
 Bond, V., and Broucke, R.  
 Bond, Victor R.  
  
 Bond, Victor R.  
  
 Bond, Victor R.  
  
 Bond, Victor R.  
  
 Bond, Victor R.  
 Bond, Victor R., and Janin, Guy  
  
 Bonzani, I., and Zavattaro Chiado Piat, M.G.  
  
 Borderies, N.  
 Borderies, N.  
 Borderies, N.  
 Borderies, N. >See Balmino, G. 17,2  
 Borderies, Nicole, and Goldreich, Peter  
  
 Borham, A.H.  
  
  
 Born, G.H., and Duxbury, T.C.  
 Born, G.H., Christensen, E.J., and Seversike, L.K.  
 Born, G.H., Christensen, E.J., Ferrari, A.J., Jordan, J.F., and Reinbold, S.  
 Born, George H.  
 Bourne, S.R.  
  
 Bouvier, P. >See Nugeyre, J.B. 25,1
- First-Order Theory of Satellite  
 Second-Order Theory of the  
  
 Analytical Satellite Theory in  
 The Uniform, Regular Differ  
 Perturbed Two-Body Proble  
 The Development of the Poin  
 Anomaly as the Independen  
 The Development of the Poin  
 Anomaly as the independen  
 Error Propagation in the Nu  
 Equations of Orbital Mecha  
 Propagation of Local Errors  
 Equations for Orbital Elem  
 A Transformation of the Two  
 Canonical Orbital Elements  
 Variable  
 Quasi-analytical Solutions fo  
 of Tethered Satellites with  
 Time Regularization of an A  
 Mutual Gravitational Potent  
 Dynamics of Ring-Satellite S  
  
 A Simple Derivation of Capt  
 Orbit-Orbit Resonance Prob  
 About the Non-Existence of  
 in the Problem of Satellite'  
 Attraction of a Triaxial Rig  
 The Motions of Phobos and  
 Special Perturbations Empl  
 The Determination of the Sa  
 An Encke-Type Special Pert  
 Literal Expressions for the C  
 I. The First Degree Terms

Title	Vol.	Iss.	Date Pub.	Page
Satellite Attitude Motion Application to HIPPARCOS	39	4	1986	309
of the Rotation of an Artificial Satellite	42	1-4	1987-1988	141
	11	2	Mar-75	145
	30	1	May-83	59
theory in Extended Phase Space	21	4	May-80	357
Differential Equations of the KS Transformed Problem	10	3	Nov-74	303
the Poincare-Similar Elements with Eccentric Independent Variable	13	3	May-76	287
the Poincare-Similar Elements with Eccentric Independent Variable	14	3	Nov-76	333
the Numerical Solutions of the Differential Mechanics	27	1	May-82	65
errors in the Solutions of the Differential Elements	27	2	Jun-82	203
the Two-Body Problem	35	1	Jan-85	1
elements in Terms of an Arbitrary independent	23	2	Feb-81	159
ions for the Dynamics of a Class	37	4	Dec-85	371
with Danby's Aerodynamical Drag				
of an Adams-Moulton-Cowell Algorithm	16	3	Nov-77	291
Potential of N Solid Bodies	18	3	Oct-78	295
ellite Systems around Saturn and Uranus	34	1-4	Sep-84	297
	17	2	Feb-78	113
Capture Probabilities for the J+1: J and J+2:J	32	2	Feb-84	127
ice Problems				323
nance of Additional Analytical Integral	29	4	Apr-83	
ellite's Motion under the Gravitational				
al Rigid Body				77
s and Deimos from Mariner 9 TV Data	12	1	Aug-75	41
Employing Osculating Reference States	9	1	Mar-74	395
the Satellite Orbit of Mariner 9	9	3	May-74	103
l Perturbation Method	2	1	May-70	167
r the Co-Ordinates of the Moon.	6	2	Sep-72	
erms	25	1	Sep-81	51

## Authors

Bowman, Bruce R.

Bozeman, R.E. >See Arenstorf, R.F. 16,2

Bozis, G.

Bozis, G., and Christides, Th.

Bozis, G., and Hadjidemetriou, John D.

Bozis, George

Bozis, George

Bozis, George

Bozis, George, and Nakhla, Atef

Bozis, George. >See Marchal, Christian. 26,3

Branham, Richard L.

Branham, Richard L. Jr.

Branham, Richard L., Jr.

Breakwell, J.V. >See Howell, K.C. 32,1

Breakwell, J.V., and Perko, L.M.

Breakwell, John V. >See Hitzl, Donald L. 3,3

Breakwell, John V. >See Mohan, Srinivas N. 5,2

Breakwell, John V., and Brown, John V.

Breakwell, John V., and Eshleman, Von R.

Breakwell, John V., and Vagners, Juris

Breakwell, John V., Kamel, Ahmed A., Ratner, and Martin J.

Bressanin, G.

Bretagnon, P.

Bretagnon, P.

Bretagnon, P.

Bretagnon, P. >See Chapront, J. 11,3

Brjuno, A.D.

Analysis of Mean Elements of  
Satellites for the Period 1974

Compatibility Conditions for  
Periodic Motions around a Co  
General Three-Body Problem

On the Continuation of Period  
General Three-Body Problem

Generalization of Szebehely's  
Determination of Autonomous  
from a Two-Parameter Fami

Inverse Problem with Two-Pa  
Solution of the Three-Dimens

A New Orbit of Comet 1961 V  
Equinox and Equator Determ  
Observations  
Error Estimates with L1 Solu

Second-Order Matching in th

The 'Halo' Family of 3-Dimen  
Earth-Moon Restricted 3-Bo  
Further Investigation into a  
of Saturn

On Error Bounds and Initiali  
Station-Keeping for a Transl

Errors in Orbit Determinatio  
Theorie des planetes inferieu

Amelioration des theories pla

Construction of a Planetary S  
of an N-Body Program, and

Researches on the Restricted  
Solutions and Arcs for  $u=0$

Title	Vol.	Iss.	Date Pub.	Page
ents of Three U.S. Navy Navigational d 1974-1976	19	2	Feb-79	203
ns for a Non-Quadratic Integral of Motion	16	2	Oct-77	179
d a Collinear Equilibrium Solution of the problem	28	4	Dec-82	367
Periodic Orbits from the Restricted to the problem	12	3	Nov-75	277
heli's Equation	13	2	Mar-76	127
omous Three-Dimensional Force Fields	29	4	Apr-83	329
Family of Orbits	31	1	Sep-83	43
wo-Parametric Families of Planar Orbits	31	2	Oct-83	129
imensional Inverse Problem	38	4	Apr-86	357
	26	3	Mar-82	311
961 V (Wilson-Hubbard)	36	4	Aug-85	365
eterminations from Hypothetical Minor Planet	22	1	Jul-80	81
1 Solutions	39	3	1986	239
y in the Restricted Three-Body Problem	32	1	Jan-84	29
	9	4	Jul-74	437
	3	3	Apr-71	346
	5	2	Mar-72	157
Dimensional Periodic Orbits in the 1 3-Body Problem	20	4	Nov-79	389
nto a Recent Model for Toroidal Rings	33	3	Jul-84	229
initialization in Satellite Orbit Theories	2	2	Jul-70	253
ranslunar Communication Station	10	3	Nov-74	357
ination	2	1	May-70	77
ferieures (Theory of the Inner Planets)	26	2	Feb-82	161
es planetaires analytiques	34	1-4	Sep-84	193
tary Solution with the Help	38	2	Feb-86	181
, and Analytical Complements	11	3	May-75	379
stricted Three-Body Problem. II: Periodic u=0	18	1	Jul-78	9

## Authors

Brjuno, A.D.

Brookes, C.J.

Brookes, C.J., and Ryland, F.C.E.

Brookes, C.J., and Ryland, F.C.E.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R.

Broucke, R. >See Bond, V. 21,4

Broucke, R. >See Szebehely, Victor 24,1

Broucke, R. >See Petrosky, T.Y. 42,1-4

Broucke, R., and Baxa, P.A.

Broucke, R., and Boggs, D.

Broucke, R., and Cefola, P.

Broucke, R., and Garthwaite, K.

Broucke, R., and Lass, H.

Broucke, R., and Lass, H.

Broucke, R., and Smith, G.

Broucke, R., and Walker, D.E.

Researches on the Restricted

of the Solutions for  $u=0$

On the Prediction of Neptune

Perturbations of the Orbit of

The Effects of Diffuse Solar R

of an Artificial Satellite

Perturbations in Rectangular

How to Assemble a Keplerian

Periodic Collision Orbits in th

Three-Body Problem

Solution of the N-Body Probl

A Note on Velocity-Related S

Problem

On Relative Periodic Solution

Problem

On Pfaff's Equations of Motio

Satellite Theory

The Lagrangian Theory of St

V.I. Arnold, Mathematical M

(Book Review)

Siebe Jorna (ed.), Topics in N

to Sir Edward Bullard (Book

Robert H.G. Helleman (ed.),

Periodic Solutions of a Spring

Periodic Orbits in the Planar

A Note on the Relations betw

the Two-Body Problem

A Programming System for A

On Redundant Variables in I

to Perturbation Theory and

On Szebehely's Equation for

of Orbits

Expansion of the Planetary I

Numerical Explorations of th



Title	Vol.	Iss.	Date Pub.	Page
Restricted Three Body Problem. III: Properties	18	1	Jul-78	51
0				
apture	3	1	Dec-70	67
orbit of Explorer 19 Due to Solar Radiation	27	4	Aug-82	339
Solar Radiation on the Motion	27	4	Aug-82	353
ce				
Angular Coordinates by Iteration	1	1	Jun-69	110
olerian Processor	2	1	May-70	9
s in the Elliptic Restricted	3	4	Jul-71	461
Problem with Recurrent Power Series	4	1	Sep-71	110
ated Series Expansions in the Two-Body	10	4	Dec-74	469
solutions of the Planar General Three-Body	12	4	Dec-75	439
' Motion in Dynamics; Applications to	18	3	Oct-78	207
y of Stackel Systems	25	2	Oct-81	185
ical Methods of Classical Mechanics	28	3	Nov-82	345
s in Non-Linear Dynamics: a Tribute	28	3	Nov-82	345
l (Book Review)				
(ed.), Nonlinear Dynamics (Book Review)	28	3	Nov-82	347
	21	4	May-80	357
	24	1	May-81	23
	42	1-4	1987-1988	53
Spring-Pendulum System	8	2	Sep-73	261
Planar General Three-Body Problem	11	1	Feb-75	13
s between True and Eccentric Anomalies in	7	3	Apr-73	388
n				
n for Analytical Series Expansions on a Computer	1	2	Oct-69	271
es in Lagrangian Mechanics, with Applications	12	3	Nov-75	317
ry and KS Regularization				
on for the Potential of a Prescribed Family	16	2	Oct-77	215
etary Disturbing Function	4	3-4	Dec-71	490
s of the Rectilinear Problem of Three Bodies	21	1	Jan-80	73

## Authors

Broucke, R., and Lass, H.

Broucke, R., Anderson, J.D., Blitzler, L., Davoust, E., and Lass, H.

Broucke, R., Lass, H., and Boggs, D.

Broucke, R.A., and Cefola, P.J.

Broucke, Roger A.

Broucke, Roger A. >See Ricklefs, Randall L. 29,2

Brown, B.C.

Brown, Bryan

Brown, Bryan C.

Brown, J.C. >See Simmons, J.F.L. 35,2

Brown, John V. >See Breakwell, John V. 20,4

Brumberg, V. A., and Kovalevsky, J.

Brumberg, V.A.

Brumberg, V.A.

Brumberg, V.A.

Brumberg, V.A., and Aksenov, E.P.

Brumberg, V.A., and Chapront, J.

Brumberg, V.A., and Ivanova, T.V.

Brumberg, V.A., Evdokimova, L.S., and Kochina, N.G.

Brumberg, V.A., Evdokimova, L.S., and Skripnichenko, V.I.

Brumberg, V.A. >See Babadzanjan, L.K. 41,1-4

Bruno, A.D.

Bryant, J.

Burgoyne, N., and Cushman, R.

Burkardt, T.M. >See Danby, J.M.A. 31,2

Burkardt, T.M., and Danby, J.M.A.

Burniston, E.E. >See Siewert, C.E. 6,3

Burniston, E.E., and Siewert, C.E.

A Note on Relative Motion in

Periodic Solutions about the Earth

General Problem of Three Bodies

A Note on the Solution of the

Dynamical Systems

On the Equinoctial Orbit Elements

Himmelsmechanik, by Manfred

Secular and Long-Period Effects

Satellites

The Long Period Behavior of

of Jupiter

Secular Effects in the Orbits

Unsolved Problems of Celestial

In Memoriam Gleb Alexandrovich

Perturbation Theory in Rectangular

Astronomical Measurements

Relativistic Celestial Mechanics

In Memoriam G.N. Duboshin

Construction of a General Planetary

New Approach to Determining the

Analytical Methods for the Orbits

of the Moon

Secular Perturbations in General

On Periodic Flybys of the Moon

The Contact Transformation in the

System

Normal Forms for Real Linear

Imaginary Eigenvalues

The Solution of Kepler's Equation

Exact Analytical Solutions for

Title	Vol.	Iss.	Date Pub.	Page
ion in the General Three-Body Problem	8	1	Aug-73	5
at the Collinear Lagrangian Solution in the	24	1	May-81	63
three Bodies				
of the Variational Equations of a Class of	14	3	Nov-76	383
bit Elements	5	3	May-72	303
Manfred Schneider (Book Review)	24	3	Jul-81	330
	29	2	Feb-83	179
od Effects in the Orbits of the Galilean	26	3	Mar-82	229
rior of the Orbits of the Galilean Satellites	16	2	Oct-77	229
Orbits of the Galilean Satellites	23	3	Mar-81	203
	35	2	Feb-85	145
	20	4	Nov-79	389
Celestial Mechanics	39	2	1986	133
exandrovich Chebotarev 1913-1975	12	4	Dec-75	395
n Rectangular Coordinates	18	4	Nov-78	319
ments and Coordinate Conditions in	20	4	Nov-79	329
Mechanics				
boshin 1904-1986	39	2	1986	115
eral Planetary Theory of the First Order	8	3	Nov-73	335
rmining Planetary Perturbations in Lunar Theory	26	1	Jan-82	77
the Orbits of Artificial Satellites	3	2	Mar-71	197
in General Planetary Theory	11	1	Feb-75	131
	41	1-4	1987-1988	313
the Moon	24	3	Jul-81	255
nation Groups of The Extended Hamiltonian	25	1	Sep-81	41
l Linear Hamiltonian Systems with Purely	8	4	Jan-74	435
es				
	31	2	Oct-83	95
's Equation, II	31	3	Nov-83	317
	6	3	Nov-72	294
ions Basic to a Class of Two-Body Orbits	7	2	Feb-73	225

# Authors

Burniston, E.E., and Siewert, C.E.

Burns, T.J.

Burnstein, E.I.

Bursa, M. >See Davies, M.E. 39,1

Burstein, E.I.

Bykova, L.E., and Shikhalev, V.V.

Caballero, J.A. >See Cid, R. 35,2

Cabral, H. E.

Calvo, Manuel. >See Cid, Rafael. 12,2

Campbell, J.A.

Campbell, J.A., and Jefferys, William H.

Capitaine, N., Guinot, B., and Souchay, J.

Capodanno, Pierre

Cappallo, R.J., and Eckhardt, D.H.

Cappallo, R.J., King, R.W., Counselman, C.C. III, and Shapiro, I.I.

Caputo, M.

Caranicolos, N.

Caranicolos, N., and Vozikis, Ch.

Caranicolos, N., and Vozikis, Ch.

Carinena, Jose F., Ibor, Luis A., and Lacomba, Ernesto A.

Carney, Bruce W.

Carpenter, Gilbert C. >See Pitkin, Edward T. 1,1

Carpino, Mario, Farinella, Paolo, Milani, Andrea, and Nobili, Anna M.

Cartigny, P., Desolneux, N., and Hayli, A.

Carusi, A., Kresak, L., Perozzi, E., and Valsecchi, G.B.

Carusi, Andrea. >See Valsecchi, Giovanni B. 32,3

Further Results Concerning

Two-Body Orbits

On the Rotation of Mercury

The Representation of the F

Moon's Gravitation in Ellip

One of the Solutions for the

Interpretation

New Orbital Elements of Ph

The Masses in an Isosceles

An Exercise in Symbolic Pro

Normalized Inclination Fu

Equivalence of the Perturba

A Non-Rotating Origin on th

Properties and Use

Sur la stabilite de certains

satellite artificiel de la ter

aerodynamiques

A Comparison of Numeric a

Evidence for Lunar Libratio

The Libration of a Satellite

of its Planet

Periodic Orbits in a Resona

Orbital Characteristics of D

Chaos in a Quartic Dynam

Time Scaling as an Infinite

Norman et al.(eds.),Stellar

Sensitivity of Lageos to Cha

Orbites periodiques dans un

II: Bifurcations (Periodic C

Potential. II: Bifurcations)

On the Past Orbital Histor

Title	Vol.	Iss.	Date Pub.	Page
erning Exact Analytical Solutions Basic to	10	1	Aug-74	5
ercury	19	3	Apr-79	297
f the Force Functions of the Earth's and	11	2	Mar-75	255
n Ellipsoidal Coordinates	39	1	May-86	103
or the Laplace Equation and its Physical	11	1	Feb-75	79
s of Phoebe, the IX Satellite of Saturn	32	3	Mar-84	185
	35	2	Feb-85	189
celes Solution of the Three-Body Problem	41	1-4	1987-1988	175
	12	2	Sep-75	131
olic Programming: Computation of General	6	2	Sep-72	187
ion Functions				
rturbation Theories of Hori and Deprit	2	4	Nov-70	467
n on the Instantaneous Equator: Definition,	39	3	1986	283
stains mouvements particuliers d'un	18	4	Nov-78	337
la terre soumis aux efforts				
meric and Semi-analytic Lunar Libration Models	26	2	Feb-82	125
ibrations near Resonance	26	2	Feb-82	145
ellite Caused by The Tidal Field	36	4	Aug-85	375
esonant Dynamical System	33	3	Jul-84	209
ics of Dynamical Models of Elliptical Galaxies	39	1	May-86	85
ynamical Model	40	1	1987	35
nfinitesimal Canonical Transformation	42	1-4	1987-1988	201
ellar Populations, (Book Review)	40	3-4	1987	313
	1	1	Jun-69	72
to Changes in Earth's (2, 2) Gravity Coefficients	39	1	May-86	1
ans un potentiel a trois dimensions.	33	3	Jul-84	217
iodic Orbits in a Three-Dimensional				
tions)				
History of Comet P/Halley	43	1-4	1987-1988	319
	32	3	Mar-84	217

## Authors

Casasayas, J., Jorba, A., and Nunes, A.

Cefola, P. >See Broucke, R. 7,3

Cefola, P.J. >See Broucke, R.A. 5,3

Chapront, J.

Chapront, J. >See Brumberg, V.A. 8,2

Chapront, J., and Chapront, Touze, M.

Chapront, J., and Rocher, P.

Chapront, J., Bretagnon, P., and Mehl, M.

Chapront, Jean

Chapront, Touze, M. >See Chapront, J. 26,1

Chapront-Touze, M.

Chapront-Touze, M.

Chapsiadis, A., and Michalodimitrakis, M.

Chawla, J.M. >See Bhatnagar, K.B. 16,2

Cheng, Bin Kang

Cherniack, J.R.

Chiu, L.T.G.

Choi, J.S., and Tapley, B.D.

Choudhry, R.K.

Choudhry, R.K. >See Kumar, Vijay. 39,2

Choudhry, R.K. >See Kumar, Vijay. 40,2

Choudhry, R.K. >See Manju. 36,2

Choudhry, R.K. >See Kumar, Vijay. 41,1-4

Christensen, E.J. >See Born, G.H. 9,1

Christensen, E.J. >See Born, G.H. 9,3

Christides, Th. >See Bozis, G. 12,3

Christides, Th. >See Hadjidemetriou, John D. 12,2

Qualitative Study of Motion

Approximation Methods in C  
Applications to Pluto's Motion

Planetary Perturbations of T  
Methode rapide de calcul d'un  
l'approximation de Tchebychev  
observations

Un formulaire pour le calcul  
dans les problemes planetaires  
The Fourier-Chebyshev Approx  
with a Great Many Terms

Progress in The Analytical T  
of the Moon

The ELP Solution for the Ma  
Applications

Bounded Motion in a Two-Bo  
and a Material Point

Motion near the Triangular P  
Problem of Three Bodies

A More General System for K  
Space Telescope Astrometry

An Extended Canonical Pert  
Libration Points in the Gene

Title	Vol.	Iss.	Date Pub.	Page
tion under the Potentials $V(r)$ = (spec. characters)	42	1-4	1987-1988	129
	7	3	Apr-73	388
	5	3	May-72	303
s in Celestial Mechanics.	34	1-4	Sep-84	165
Motion				
	8	3	Nov-73	335
s of The Moon in ELP 2000	26	1	Jan-82	83
ul d'une trajectoire de petite planete par	22	1	Jul-80	73
hebycheff, et son ajustement aux				
calcul des perturbations d'ordres eleves	11	3	May-75	379
anetaires				
y Approximation for Time Series	28	4	Dec-82	415
erms				
	26	1	Jan-82	83
ical Theories for the Orbital Motion	26	1	Jan-82	53
he Main Problem of the Moon and Some	26	1	Jan-82	63
wo-Body System Consisting of a Solid Body	41	1-4	1987-1988	53
	16	2	Oct-77	129
gular Points in the Elliptic Restricted	19	1	Jan-79	31
lies				
n for Poisson Series Manipulation	7	1	Jan-73	107
metry from CCD Images	22	2	Jul-80	191
l Perturbation Method	7	1	Jan-73	77
Generalised Elliptic Three Body Problem	16	4	Dec-77	411
	39	2	1986	159
	40	2	1987	155
	36	2	Jun-85	165
	41	1-4	1987-1988	161
	9	1	Mar-74	41
	9	3	May-74	395
	12	3	Nov-75	277
	12	2	Sep-75	175

# Authors

Cicci, David A. , and Tapley, Byron D.

Cid, R., and Viguera, A.

Cid, R., Ferrer, S., and Sein-Echaluce, M.L.

Cid, R., Ferrer, S., and Caballero, J.A.

Cid, R., Ferrer, S., and Elise, A.

Cid, Rafael, and Elise, Antonio

Cid, Rafael, Calvo, Manuel, and Correia, Jose M.

Cid, Rafael, San Saturio, and Maria-Eugenia

Ciufolini, Ignazio

Claes, H.

Cline, Jerry K.

Cochran, John E.

Coffey, S.L. >See Alfried, K.T. 32,2

Coffey, Shannon L., Deprit, Andre, and Miller, Bruce R.

Cohen, C.J., and Lyddane, R.H.

Cohen, C.J., Hubbard, E.C., and Oesterwinter, Claus.

Cohen, Charles J. >See Lyddane, R.H. 18,3

Cohen, Charles J. >See Oesterwinter, Claus 5,3

Cok, David R.

Cole, Carl S. >See Eichhorn, Heinrich. 37,3

Contopoulos, G.

Contopoulos, G.

Contopoulos, G.

Contopoulos, G.

Contopoulos, G.

Contopoulos, G.

Contopoulos, G.

Contopoulos, G.

Optimal Solutions of Unobse

About the Problem of Motion

On the Radial Intermediarie

in Satellite Theory

Asymptotic Solutions of the

near the Equilateral Lagra

Regularization and Lineariz

of Motion in Central force-l

On the Motion of Three Rigi

Invariance in Von Zeipel Me

Motion of Rigid Bodies in a

The Lageos Lense-Thirring

and the Lageos Non-Gravit

Analytical Theory of Earth's

Satellite Aided Capture

Effects of Gravity-Gradient

Triaxial Satellite in a Prec

The Critical Inclination in A

Radius of Convergence of Li

Planetary Elements for 10,0

On the Perturbations of a C

Inequalities

Disappearance of Integrals

Freedom

Higher Order Resonances in

The 4:1 Resonace

The Genealogy of Periodic C

Bifurcations in Systems of 7

Critical Cases of 3-Dimensio

Short and Long Period Orbi

Nonuniqueness of Families

in a Four Diminsional Map



Title	Vol.	Iss.	Date Pub.	Page
Unobservable Orbit Determination Problems	44	4	1988-1989	339
Motion of N Gyrostats: I. the First Integrals	36	2	Jun-85	155
Medians and the Time Transformation	38	2	Feb-86	191
of the Restricted Problem	35	2	Feb-85	189
Lagrangian Points				
Linearization of the Equations	31	1	Sep-83	73
force-Fields				
the Rigid Bodies: Central Configurations	37	2	Oct-85	113
pel Method	12	2	Sep-75	131
s in a Set of Redundant Variables	42	1-4	1987-1988	263
rring Precession	40	1	1987	19
Gravitational Nodal Perturbations - I				
Earth's Artificial Satellites	21	2	Feb-80	193
re	19	4	May-79	405
radient Torque on the Rotational Motion of a	5	2	Sep-72	127
a Precessing Elliptic Orbit				
	32	2	Feb-84	163
on in Artificial Satellite Theory	39	4	1986	365
e of Lie Series for Some Elliptic Elements	25	3	Nov-81	221
or 10,000,000 Years	7	4	Jun-73	438
	18	3	Oct-78	233
	5	3	May-72	317
of a Close-Earth Satellite Due to Lunar	16	4	Dec-77	459
	37	3	Nov-85	263
egrals in Systems of More Than Two Degrees of	17	2	Feb-78	167
nces in Dynamical Systems	18	2	Aug-78	195
	24	4	Aug-81	355
iodic Orbits in a Plane Rotating Galaxy	31	2	Oct-83	193
ns of Three Degrees of Freedom	38	1	Jan-86	1
mensional Systems	42	1-4	1987-1988	239
d Orbits	43	1-4	1987-1988	147
amilies of Periodic Solutions	44	4	1988-1989	393
al Mappings				

## Authors

Contopoulos, G., and Magnenat, P.

Contopoulos, G., and Michaelidis, P.

Conway, Bruce A.

Cook, G.E.

Corbin, Thomas E.

Corbin, Thomas E.

Correas, Jose M. >See Cid, Rafael. 12,2

Counselman, C.C. III >See Cappallo, R.J. 26,2

Crawford, Linda L. >See Hoots, Felix R. 33,2

Crisp, J.D.C. >See Berreen, T.F. 13,1

Cross, C.A. >See Davies, M.E. 22,3

Cui, Dou-Xing

Cui, Dou-Xing, and Garfinkel, Boris

Cunningham, Leland E.

Curkendall, D.W., and Leondes, C.T.

Cushman, R.

Cushman, R. >See Burgoyne, N. 8,3

Cushman, Richard

Da Silva, Marcelo R.M. Crespo

Dallas, S.S.

Dallas, S.S. >See Nacozy, P.E. 15,4

Dallas, S.S., and Diehl, R.E.

Danby, J. M.

Danby, J. M.

Danby, J.M.A.

Danby, J.M.A.

Danby, J.M.A.

Danby, J.M.A.

Danby, J.M.A.

Simple Three-Dimensional P

in a Galactic-Type Potential

Bifurcations of Triple-Periodic

An Improved Algorithm Due

Basic Theory for Prod, a Prog

of Satellite Orbits

Systematic Reductions of 19t

The Extension of the Fundam

A Method for Computation of

A Variant of the Hori-Lie Ser

On the Computation of the S

Needed during the Numerical

of an Artificial Satellite

Sequential Filter Design for

and Physical Constant Refi

An Analysis of the Critical I

Reduction, Brouwer's Hamil

Attitude Stability of a Grav

Equations of Motion for Rot

PPN Formalism

The Motion of a Satellite in

Sectorial Harmonic

The Solution of Kepler's Equ

Teaching Orbits with the Ai

Matrix Perturbations Using

Transformations to Extend t

Solutions of Differential Eq

The Evolution of Periodic Or

Two Notes on the Copenhag

The Evolution of Periodic Or

Title	Vol.	Iss.	Date Pub.	Page
onal Periodic Orbits	37	4	Dec-85	387
ential				
Periodic Orbits	22	4	Nov-80	403
n Due to Laguerre for the Solution of Kepler's Equation	39	2	1986	199
a Program for Computing the Development	7	3	Apr-73	301
of 19th Century Planetary Observations	22	1	Jul-80	25
undamental System to Fainter Magnitudes	37	3	Nov-85	285
	12	2	Sep-75	131
	26	2	Feb-82	145
	33	2	Jun-84	143
	13	1	Feb-76	75
	22	3	Oct-80	205
tion of Perturbations	32	1	Jan-84	1
ie Series Method	35	1	Jan-85	89
f the Spherical Harmonic Terms	2	2	Jul-70	207
umerical Integration of the Orbital Motion				
te				
gn for Precision Orbit Determination	8	4	Jan-74	481
t Refinement				
ical Inclination Problem Using Singularity Theory	42	1-4	1987-1988	39
	8	4	Jan-74	435
Hamiltonian, and the Critical Inclination	31	4	Dec-83	401
Gravity-Stabilized Gyrostat Satellite	2	2	Jul-70	147
r Rotating Finite Bodies in the Extended	15	1	Feb-77	111
	15	4	Aug-77	453
ite in Resonance with the Second-Degree	16	1	Sep-77	97
's Equations, III	40	3-4	1987	303
he Aid of the Personal Computer	41	1-4	1987-1988	51
Using Regularized Coordinates	2	3	Oct-70	311
tend the Range of Application of Power Series	5	3	May-72	311
ial Equations of Motion				
dic Orbits Close to Homoclinic Points	8	2	Sep-73	273
enhagen Problem. I: Asymptotic Branches from L4	33	3	Jul-84	251
dic Orbits Close to Heteroclinic Points	33	3	Jul-84	261

# Authors

Danby, J.M.A. >See Burkardt, T.M. 31,3

Danby, J.M.A., and Burkardt, T.M.

Danby, J.M.A..

Dasenbrock, R. >See Alfried, K.T. 16,4

Davies, M.E., Abalakin, V.K., Cross, C.A., Duncombe, R.L., Masursky, H., Report of the IAU Working  
Morando, B., Owen, T.C., Seidelmann, P.K., Sinclair, A.T., Wilkins, G.A., Rotational Elements of the  
and Tjuflin, Y.S.

Davies, M.E., Abalakin, V.K., Lieske, J.H., Seidelmann, P.K.,  
Sinclair, A.T., Sinzi, A.M., Smith, B.A., and Tjuflin, Y.S.

Davila, H., Debarbat, S., and Journet, A.

Davies, M. E., Abalakin, V.K., Bursa, M., Lederle, T., Lieske, J.H., Rapp. I Report of the IAU/IAG COS  
Seidelmann, P.K., Sinclair, A.T., Teifel, V.G., and Tjuflin, Y.S.

Davoust, E. >See Broucke, R. 24,1

Davoust, Emmanuel

Davoust, Emmanuel

De Lafontaine, Jean, and Hughes, Peter

De Moraes, Rodolpho Vilhena

Debarbat, S.

Debarbat, S. >See Davila, H. 12,1

Degraeve, Jean, and Pascal, Madeleine

Delgado-Fernandez, Joaquin

Delhase, F. >See Moons, M. 43,1-4

Delibaltas, P.

Delva, M.

Demin, V.G. >See Singh, R.B. 6,3

Denis, Carlos

Denisik, S.A. >See Ferronsky, V.I. 18,2

Denisik, S.A. >See Ferronsky, V.I. 19,2

Denisik, S.A. >See Ferronsky, V.I. 20,1

Denisik, S.A. >See Ferronsky, V.I. 23,3

Denisik, S.A. >See Ferronsky, V.I. 27,3

The Solution of Kepler's Equations  
Planetary Theories

Report of the IAU Working  
and Rotational Elements of  
Observations of Jupiter's Galilean Satellites

Report of the IAU/IAG COS  
and Rotational Elements of

Periodic Orbits in a Dynamical System  
of Freedom

Periodic Orbits in a Two-Dimensional  
An Analytic Version of Jacobi's Problem

Combined Solar Radiation and  
of Artificial Satellites

Observations planetaires a l'aide de la photographie

An Asymptotic Solution for  
Three-Body Problem

Transversal Ejection-Collision Problems

Families of Periodic Collisions  
Three-Body Problem

Integration of the Elliptic Integrals  
with Lie Series

Inertia Coefficient Considerations  
of Jovian Planets

Title	Vol.	Iss.	Date Pub.	Page
	31	3	Nov-83	317
r's Equation, I	31	2	Oct-83	95
	9	3	May-74	297
	16	4	Dec-77	441
orking Group on Cartographic Coordinates and of the Planets and Satellites	22	3	Oct-80	205
orking Group on Cartographic Coordinates ents of the Planets and Satellites: 1982.	29	4	Apr-83	309
er's Galilean Satellites Using astrolabes	12	1	Aug-75	51
G COSPAR Working Group on Cartographic Coordinates ents of the Planets and Satellites: 1985	39	1	May-86	103
	24	1	May-81	63
ynamical System with Three Degrees	31	3	Nov-83	293
wo-Dimensional Galactic Potential	31	3	Nov-83	303
f Jacchia's 1977 Model Atmosphere	29	1	Jan-83	3
ation Pressure and Drag Effects on The Orbits	25	3	Nov-81	281
s				
res a l'astrolabe	22	1	Jul-80	35
	12	1	Aug-75	51
on for the Stellar Case of the Non-Planar	24	3	Jul-81	289
Collision Orbits in Hill's Problem for $C \gg 1$	44	3	1988-1989	299
	43	1-4	1987-1988	349
Collision Orbits in the General	29	2	Feb-83	191
ptic Restricted Three-Body Problem	34	1-4	Sep-84	145
	6	3	Nov-72	268
nsiderations and the Structure	31	1	Sep-83	81
	18	2	Aug-78	113
	19	2	Feb-79	173
	20	1	Jul-79	69
	23	3	Mar-81	243
	27	3	Jul-82	285

## Authors

Denisik, S.A. >See Ferronsky, V.I. 32,2

Denisik, S.A. >See Ferronsky, V.I. 35,1

Denisk, S.A. >See Ferronsky, V.I. 20,2

Depaepe, E. >See Moons, M. 43,1-4

Deprit, A.

Deprit, A. >See Alfrend, K.T. 16,4

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre

Deprit, Andre, and Deprit-Barthome, Andree

Deprit, Andre, and Ferrer, Sebastian

Deprit, Andre, and Richardson, David L.

Deprit, Andre, and Rom, Arnold

Deprit, Andre, and Palmore, Julian

Deprit, Andre, Henrard, Jacques, Price, J.F., and Rom, Arnold

Deprit, Andre, Poplarchek, Walter, and Deprit-Bartholome, Andree

Deprit, Andre. >See Coffey, Shannon L. 39,4

Deprit-Bartholome, Andree. >See Deprit, Andre. 11,1

Deprit-Barthome, Andree. >See Deprit, Andre. 12,4

Desolneux, N. >See Cartigny, P. 33,3

Deuffhard, P.

Devaney, Robert L.

Devaney, Robert L.

Diacu, Florin N.

Delaunay Normalisations

Canonical Transformations D

An Exact Differential Form t

In Memoriam Pierre Guillan

Ideal Frames for Perturbed K

Note on the Summation of L

Note on Lagrange's Inversion

A Note Concerning the Tr-Tr

The Elimination of The Paral

Intrinsic Variational Equatio

The Reduction to the Rotatio

Keplerian Systems

Elimination of the Nodes in I

The Secular Accelerations in

Conversion from Geocentric c

Note on Cid's Radial Interme

Comments on Aksnes' Intern

The Main Problem of Artifici

and Moderate Eccentricities

Families of Periodic Orbits C

Birkhoff's Normalization

Compression of Ephemerides

Kepler Discretion in Regular

Structural Stability of Homo

n-Body Problem

Motion near Total Collapse i

Wintner's Collinear and Flat

Title	Vol.	Iss.	Date Pub.	Page
	32	2	Feb-84	173
	35	1	Jan-85	23
	20	2	Aug-79	143
	43	1-4	1987-1988	349
ns	26	1	Jan-82	9
	16	4	Dec-77	441
ions Depending on a Small Parameter	1	1	Jun-69	12
Form to Check Analytical Theories	3	3	Apr-71	312
Guillaume 1942-1973	10	2	Oct-74	139
urbed Keplerian Motions	13	2	Mar-76	253
n of Legendre Series	20	4	Nov-79	319
ersion Formula	20	4	Nov-79	325
Tr-Transformation	23	4	Apr-81	299
Parallax in Satellite Theory	24	2	Jun-81	111
equations in Three Dimensions	24	2	Jun-81	185
otation for Planar Perturbed	29	3	Mar-83	229
es in Problems of n Bodies	30	2	Jun-83	181
ons in Gylden's Problem	31	1	Sep-83	1
entric to Geodetic Coordinates	12	4	Dec-75	489
Intermediary and the Method of Averaging	40	3-4	1987	335
Intermediary	28	3	Nov-82	253
Artificial Satellite Theory for Small	2	2	Jul-70	166
ricities				
bits Continued in Regularizing Coordinates	1	2	Oct-69	150
on	1	2	Oct-69	222
erides	11	1	Feb-75	53
	39	4	1986	365
	11	1	Feb-75	53
	12	4	Dec-75	489
	33	3	Jul-84	217
egular Celestial Mechanics	21	2	Feb-80	213
Homothetic Solutions of the Collinear	19	4	May-79	391
apse in the Planar Isosceles Three Body Problem	28	1-2	Sep-82	25
d Flat Solutions are Nowhere Dense	44	3	1988-1989	261

## Authors

Diaz-Bobillo, Ignacio J., and Zadunaisky, Pedro E.

Diehl, R.E. >See Dallas, S.S. 16,1

Diehl, Roger E. >See Nacozy, Paul E. 17,4

Diehl, Roger E. >See Nacozy, Paul E. 27,4

Diehl, Roger E. >See Nacozy, Paul E. 8,4

Dionysiou, D., and Antonacopoulos, G.

Ditto, Frank H.

Dobrzelecki, Arthur J. >See Vinh, Nguyen. 3,4

Docobo, J. A.

Docobo, Jose A. >See Abad, Alberto J. 41,1-4

Donaldson, John D. >See Jezewski, Donald J. 19,1

Donaldson, John D., and Jezewski, Donald J.

Donnison, J.R.

Donnison, J.R., and Williams, I.P.

Dormand, J.R., and Prince, P.J.

Doubochine, G. N.

Doubochine, G.B.

Doubochine, G.N.

Doubochine, G.N.

Doubochine, G.N.

Doubochine, G.N.

Doubochine, G.N.

Doubochine, G.N.

Doubochine, G.N.

Douglas, B.C. >See Marsh, J.G. 4,3, 4

Douglas, B.C., Klosko, S.M., Marsh, J.G., and Williamson, R.G.

On the Non-Gravitational for

Relativistic Dynamics for Th

Partial Derivatives Used in T

On the Analytic Calculation

An Element Formulation for

Mass

The Stability of Masses duri

The Stability of Coplanar Th

to the Solar System

New Runge-Kutta Algorith

Astronomy

Second Special Case of the E

Sur les solutions lagrangien

avec la loi de Weber

SurLe probleme restreint ci

Sur les solutions lagrangien

des trois corps en axes abs

Sur les mouvements regulie

Sur les mouvements regulie

(On Regular Solutions in th

Cas specials du probleme de

(Special Cases in the Probl

Cas special du probleme res

(Special Cases of Restrict

Sur le probleme des trois co

(On the Problem of Three

Tidal Parameters from the V

and GEOS-2



Title	Vol.	Iss.	Date Pub.	Page
nal forces in the 1986 Return of P/Halley	42	1-4	1987-1988	385
	16	1	Sep-77	97
	17	4	May-78	405
	27	4	Aug-82	375
	8	4	Jan-74	445
for Three Charged Particles	23	2	Feb-81	109
ed in Trajectory Estimation	1	1	Jun-69	130
	3	4	Jul-71	427
ation of Visual Double Star Orbits	36	2	Jun-85	143
	41	1-4	1987-1988	333
	19	1	Jan-79	59
on for Perturbed Motion about the Center of	16	3	Nov-77	367
s during Three-Body Encounters	32	2	Feb-84	145
nar Three-Body Systems with Application	31	2	Oct-83	123
orithms for Numerical Simulation in Dynamical	18	3	Oct-78	223
f the Restricted N-Body Problem	40	3-4	1987	283
ngiennes du probleme des trois corps solides	9	4	Jul-74	451
eint circulaire des trois corps solides	17	4	May-78	357
ngiens et eulerians du probleme generalise	19	3	Apr-79	243
es absolus				
eguliers des satellites	25	4	Dec-81	375
eguliers dans le probleme des deux corps solides	27	3	Jul-82	267
as in the Problem of Two Rigid Bodies)				
me des deux corps solides	30	3	Jul-83	263
Problem of Two Rigid Bodies)				
ne restreint des trois corps	33	1	May-84	21
stricted Three-Body Problem)				
rois corps solides	33	1	May-84	31
Three Rigid Bodies)				
	4	3-4	Dec-71	309
n the Variation of Inclination of GEOS-1	10	2	Oct-74	165

## Authors

Douglas, B.C., Marsh, J.G., and Mullins, N.E.

Douglas, Bruce C., and Marsh, James G.

Douglas, Bruce C., Martin, Chreston F., Williamson, Ronald G.,  
and Wagner, Carl A.

Dowd, Douglas L., and Tapley, B.D.

Drewry, J.W. >See Eades, J.B. Jr. 6,4

Dubochine, G.N.

Duboshin, G. N.

Duboshin, G.N.

Duboshin, G.N.

Duboshin, G.N.

Duboshin, G.N.

Duboshin, G.N.

Dumont, Th. >See Hayli, A. 38,1

Duncombe, R.L. >See Davies, M.E. 22,3

Duncombe, R.L. >See Jefferys, W.H. 37,3

Duncombe, R.L. >See Klepczynski, W.J. 4,2

Duncombe, R.L. >See Seidelmann, P.K. 22,1

Duncombe, R.L., and Hemenway, P.D.

Duncombe, R.L., Hemenway, P.D., and Whipple, A.L.

Duncombe, R.L., Klepczynski, W.J., and Seidelmann, P.K.

Duriez, L.

Duriez, L.

Duxbury, T.C. >See Born, G.H. 12,1

Dvorak, R.

Dvorak, R. >See Karch, M. 43,1-4

Mean Elements of GEOS 1 and  
GEOS-II and 13th Order Terrestrial  
Error Analyses of Resonant O

Density Models for the Upper

Sur les solutions particulieres  
corps solides

Cas special du probleme restr  
(Special Case of Restricted M

O Lagranzhevykh i Eulerovykh  
Zadachi Trekh Tel

On the Generalized Restrict

Some Remarks on the Gener

About the First Integrals of t  
Translatory-Rotary Motion

Sur le developpement de la fo  
deux corps finis (On the Dev  
the Two-Finite-Body Proble

A Comparison of Astrometric  
to Minor Planets

Minor Planet Observations a

A Determination of the Mass

Theorie generale planetaire  
application au systeme des

(General Planetary Theory

and Application to The Gal

Long-Term Evolution of the

Numerical Experiments on I

Title	Vol.	Iss.	Date Pub.	Page
S 1 and GEOS 2	7	2	Feb-73	195
er Terms of the Geopotential	1	3-4	Feb-70	479
nant Orbits for Geodesy	1	2	Oct-69	252
	1	2	Oct-69	
Upper Atmosphere	20	3	Oct-79	271
	7	1	Jan-73	3
ulieres du probleme generalise des trois	8	4	Jan-74	495
e restreint des plusieurs corps	35	4	Apr-85	317
ected Multi-Body Problem)				
erovych Resheniyakh Obobshchennoi	2	4	Nov-70	454
stricted Problem of Three Bodies	4	3-4	Dec-71	423
Generalized Many-Body Problem	5	1	Jan-72	67
ls of the Generalized Problem of	6	1	Aug-72	27
otion of Rigid Bodies				
le la fonction des forces dans le probleme de	14	2	Sep-76	239
ne Development of the Force Function in				
Problem]				
	38	1	Jan-86	23
	22	3	Oct-80	205
	37	3	Nov-85	299
	4	2	Oct-71	224
	22	1	Jul-80	3
ometric Measurement Techniques as Applied	26	2	Feb-82	207
ions and the Fundamental Reference System	34	1-4	Sep-84	19
Masses of the Five Outer Planets	4	2	Oct-71	224
taire etendue au cas de la resonance et	26	3	Mar-82	231
e des satellites galileens de Jupiter				
heory Extended to The Case of Resonance				
he Galilean Satellite System of Jupiter				
of the Orbits of Natural Satellites	43	1-4	1987-1988	331
	12	1	Aug-75	77
ts on Planetary Orbits in Double Stars	34	1-4	Sep-84	369
	43	1-4	1987-1988	361

# Authors

Dvorak, R. >See Kribbel, J. 43,1-4

Dvorak, R., and Kribbel, J.

Dvorak, Rudolf >See Hagel, Johannes 42,1-4

Dvornychenko, V.N. >See Gedeon, G.S. 5,2

Dvornychenko, Vladimir N., Gerding, and R. Bruce

Dybczynski, P. A., Jopek, T.J., and Serafin, R.A.

Eades, J.B. >See Musen, P. 5,4

Eades, J.B. Jr.

Eades, J.B. Jr.

Eades, J.B. Jr., and Drewry, J.W.

Eanes, R. >See Tapley, B.D. 37,3

Easton, Robert W.

Eckhardt, D.H.

Eckhardt, D.H. >See Cappallo, R.J. 26,2

Eckstein, M.C.

Eckstein, M.C. >See Jochim, E.F. 21,2

Eckstein, Martin C.

Edelman, Colette

Eichhorn, H.

Eichhorn, H.

Eichhorn, Heinrich

Eichhorn, Heinrich

Eichhorn, Heinrich, and Cole, Carl S.

Ekman, Donald. >See Kamel, Ahmed. 8,1

El-Sabaa, F.M.

Long Term Evolution of Com

The Effect of Orbital Eccentricity  
Spin-Stabilized Satellites  
On the Minimum Distance between  
with a Common Focus

Operation Requirements and  
Maneuver  
Thrust aided Sub-Orbits  
Relative Motion of near Orbits

Homoclinic Phenomena in Hamiltonian  
of Freedom  
Semi-analytic Model of The Motion

Optimal Station Keeping by  
Operation Constraints

An Approximate Semi-analytic  
Maneuvers of Spin-Stabilized Satellites  
Transformation invariants of the  
a l'excentricite (Invariant of the  
Problem Associated with the  
On the Construction of a Canonical  
Positions  
Inertial Systems - Definition  
Physical Time and Astronomical  
Predictability in Dynamical  
Problems in Data Compilation

Periodic Solutions of the Problem  
of the Heavy Rigid Body and  
in Kovalevskaya's Case and

Title	Vol.	Iss.	Date Pub.	Page
f Comet Halley's Orbit (abstract)	43	1-4	1987-1988	323
	43	1-4	1987-1988	323
	42	1-4	1987-1988	355
	5	2	Mar-72	144
eccentricity and Nodal Regression on ites	16	3	Nov-77	263
ance between Two Keplerian Orbits s	38	4	Apr-86	345
	5	4	Jul-72	512
ts and the Geometry of a Station Keeping	16	3	Nov-77	315
ts	16	3	Nov-77	353
r Orbiting Satellites	7	1	Jan-73	3
	37	3	Nov-85	257
a in Hamiltonian Systems with Several Degrees	21	1	Jan-80	7
f The Moon's Rotation	26	2	Feb-82	129
	26	2	Feb-82	125
ng by Electric Propulsion with Thrust ts	21	2	Feb-80	129
	21	2	Feb-80	149
-analytical Solution for Orbit and Attitude stabilized Satellites	14	3	Nov-76	307
ante du probleme des deux corps associee	37	4	Dec-85	351
ariant Transformation of the Two-Body (with Eccentricity)				
f a Comprehensive General Catalogue of Star	22	2	Jul-80	127
initions and Realizations	34	1-4	Sep-84	11
ronomical "Time"	43	1-4	1987-1988	237
ical Systems	43	1-4	1987-1988	417
mpilation	37	3	Nov-85	263
	8	1	Aug-73	129
he Problem of the Motion	27	3	Jul-82	215
ody around the Fixed Point				
ase and their Stability				

## Authors

El-Sabaa, F.M.

El-Sabaa, F.M.F.

Elipse, A. >See Cid, R. 31,1

Elipse, A., and Ferrer, S.

Elipse, Antonio. >See Cid, Rafael. 37,2

Elmabsout, B.

Emerson, B., and Wilkens, G.A.

Emslie, A. Gordon, and Walker, Ian W.

Emslie, Ian W. >See Walker, Ian W. 22,4

Engels, R.C., and Junkins, J.L.

Erdi, B.

Erdi, B.

Erdi, B. >See Varadi, F. 30,4

Erdi, Balint

Erdi, Balint

Erdi, Balint

Erdi, Balint

Erdi, Balint

Erdi, Balint

Eremenko, E.N.

Erzhanov, Zh. S., and Kalybaev, A.A.

Esbach, D.

Eschbach, D.

Solution of Equations of Pro  
about a Fixed Point in the  
A New Class of Periodic Solu  
of a Rigid Body in Rotation

On the Equilibrium Solution  
Three Rigid Bodies Problem

Sur l'existence de certaines  
dans le probleme des n corp  
Proceedings of IAU Colloqui  
Constants, Heidelberg, 12-  
Studies in the Application of  
Perturbation Methods. V: I  
Variables, and Automatic S  
Integration, with Applicati  
Problem

The Gravity-Perturbed Lam  
Parameters Approach  
Critical Inclination of Troja  
Long Periodic Perturbations

An Asymptotic Solution for  
Restricted Problem of Thre  
The Three-Dimensional Mo  
The Motion of The Perihelic  
The Perturbations of The O  
A Generalization of Szebeh  
A Note on the Normalized I  
Stationary Motions in a Re  
On a New Method of Qualit  
of a Gravitating System M  
Etude de la collision triple  
Singularite du probleme du  
Problem)

Title	Vol.	Iss.	Date Pub.	Page
of Problem of Motion of a Heavy Rigid Body	29	3	Mar-83	249
n the Kowalevskaya's Case Using O-Function				
ic Solutions in the Kovalevskaya Case	37	1	Sep-85	71
tation about a Fixed Point				
	31	1	Sep-83	73
solutions in the Circular Planar Restricted	37	1	Sep-85	59
Problem				
	37	2	Oct-85	113
aines configurations d'équilibre relatif	41	1-4	1987-1988	131
n corps				
olloquium No. 9, the IAU System of Astronomical	4	2	Oct-71	128
rg, 12-14 august 1970				
tion of Recurrence Relations to Special	19	2	Feb-79	147
ls. V: Reduction in the Number of Auxiliary				
atic Step-Length Adjustment by Reverse				
plication to the Restricted Three-Body				
	22	4	Nov-80	371
d Lambert Problem: a KS Variation of	24	1	May-81	3
h				
Trojan Asteroids	34	1-4	Sep-84	
tations of Trojan asteroids	43	1-4	1987-1988	303
	30	4	Aug-83	395
on for the Trojan Case of the Plane Elliptic	15	3	Apr-77	367
of Three Bodies				
al Motion of Trojan Asteroids	18	2	Aug-78	141
riheliion of Trojan Asteroids	20	1	Jul-79	59
The Orbital Elements of Trojan Asteroids	24	4	Aug-81	377
zebehely's Equation for Three Dimensions	28	1-2	Sep-82	209
ized Period of Libration of Trojan Asteroids	30	1	May-83	3
a a Restricted Problem of Three Rigid Bodies	31	4	Dec-83	339
Qualitative Investigation	33	2	Jun-84	169
tem Motion Stable according to Lagrange				
riple	21	3	Apr-80	321
me du stormer (Singularity of Stormer's	27	1	May-82	39

## Authors

Eschbach, D.

Eshleman, Von R. >See Breakwell, John V. 33,3

Estes, R.H., and Lancaster, E.R.

Estes, Ronald >See Musen, Peter 6,1

Estes, Ronald H.

Evans, David S.

Evans, David S.

Evans, David S.

Evans, R.T. >See Szebehely, V. 21,3

Evdokimova, L.S. >See Brumberg, V.A. 11,1

Evdokimova, L.S. >See Brumberg, V.A. 3,2

Everhart, Edgar

Everitt, C.W.F. >See Van Patten, R.A. 13,4

Faintich, Marshall B.

Faintich, Marshall B.

Farinella, P. >See Anselmo, L. 29,1

Farinella, Paolo. >See Carpino, Mario. 39,1

Farquhar, Robert W.

Farquhar, Robert W., and Kamel, Ahmed A.

Fateman, Richard J.

Feagin, T. >See Szebehely, V. 6,1

Feagin, T., and Mikkilineni, R.P.

Feagin, T., and Beaudet, P.R.

Feagin, T., and Gottlieb, R.G.

Etude de la collision n-uple  
soumis a un potentiel hom  
(Study of the N-Tuple Coll  
Submitted to a Homogene  
in the Case of  $k>0$  or  $k=2$

An Algorithm for Integrati  
in Thiele's Coordinates

On the Analytical Lunar a  
Earth Satellite  
G. Burbridge and a. Hewitt  
for the 1980s (Book Review  
Colin Humpries (ed.), instr

A. W. Wolfendale (ed.), Pro

Implicit Single-Sequence M

Application of the Restrict  
Sun-Star-Comet System  
Three-Dimensional Zero-V

The Moon's Influence on th  
Exterior Libration Point  
Quasi-Periodic Orbits abou  
On the Multiplication of Po

The Effect of Time Transfo  
(Technical Note)  
Multistep Methods of Num  
Generalization of Lagrang  
to N-Dimensions



Title	Vol.	Iss.	Date Pub.	Page
n-uple du probleme des n corps	27	2	Jun-82	157
el homogene de degre-k avec $k > 0$ cas ou $k = 2$				
le Collision of the N-Body Problem				
ogeneous Potential Degree-k				
r $k = 2$	33	3	Jul-84	229
egrating Stepwise the Restricted Problem	1	3-4	Feb-70	297
tes				
	6	1	Aug-72	4
nar and Solar Perturbations of a near	10	3	Nov-74	253
Hewitt (eds.), Telescopes	27	2	Jun-82	211
Review)				
, instrumentation for Astronomy with Large	29	4	Apr-83	403
	29			
.), Progress in Cosmology	30	4	Aug-83	423
	21	3	Apr-80	259
	11	1	Feb-75	131
	3	2	Mar-71	197
ence Methods for Integrating Orbits	10	1	Aug-74	35
	13	4	Jun-76	429
stricted Hyperbolic Three-Body Problem to a	6	1	Aug-72	22
stem				
Zero-Velocity Contours	8	2	Sep-73	291
	29	1	Jan-83	37
	39	1	May-86	1
e on the Location of the Sun-Earth	2	2	Jul-70	131
Point				
s about the Translunar Libration Point	7	4	Jun-73	458
n of Poisson Series	10	2	Oct-74	243
	8	1	Aug-73	11
transformations on Local Truncation Errors	13	4	Jun-76	491
f Numerical Integration Using Back-Corrections	13	1	Feb-76	111
grange's Implicit Function Theorem	3	2	Mar-71	227

### Authors

Feagin, Terry >See Ovenden, Michael W. 8,4

Feagin, Terry, and Nacozy, Paul

Felsentreger, Theodore L. >See Giacaglia, Giorgio E. 3,1

Felsentreger, Theodore. >See Musen, Peter 7,2

Ferrandiz, J. M.

Ferrandiz, Jose M.

Ferrandiz, Jose M., Ferrer, Sebastian, and Sein-Echaluze, Maria L.

Ferrari, A.J.

Ferrari, A.J. >See Born, G.H. 9,3

Ferrari, A.J., and Heffron, W.G.

Ferraz-Mello, S.

Ferraz-Mello, S.

Ferraz-Mello, S.

Ferraz-Mello, S.

Ferraz-Mello, S.

Ferraz-Mello, S.

Ferraz-Mello, S.

Ferraz-Mello, S. >See Biancale, R. 26,3

Ferraz-Mello, S. >See Sessin, W. 32,4

Ferraz-Mello, S., and Sessin, W.

Ferrer, S. >See Cid, R. 31,1

Ferrer, S. >See Cid, R. 35,2

Ferrer, S. >See Cid, R. 38,2

Ferrer, S. >See Elipe, A. 37,1

Ferrer, S., and Sein-Echaluze, M.L.

Ferrer, Sebastian. >See Deprit, Andre. 40,3-4

Ferrer, Sebastian. >See Ferrandiz, Jose M. 40,3-4

Ferronsky, S.V.

Matrix Formulation of the Pi

A General Canonical Transfo  
of Variables with Applicatio

Linearization in Special Case

Generalized Elliptic Anomali

Lunar Gravity Derived from  
a Proposed Method

Effects of Physical Librations  
of a Lunar Satellite

Analytical Study of the Earth  
Satellite Orbits

Problems on the Galilean Sat

Elimination of Secular Term

of Perturbations

Satellite Orbits and Ephemer

Resonance in Regular Variab

of the Orbits in the Case of

Resonance in Regular Variab

and Non-Central First-Order

On Resonance

A Note on Resonance in Reg

On the Szebehely-Bond Equ  
Transformation for the Peri

The Solution for Seasonal Va  
in the Earth's Rate of Rotat

Title	Vol.	Iss.	Date Pub.	Page
	8	4	Jan-74	455
the Picard Method for Parallel Computation	29	2	Feb-83	107
	3	1	Dec-70	3
	7	2	Feb-73	256
transformation Increasing the Number	41	1-4	1987-1988	343
lication to the Two-Body Problem				
l Cases of Perturbed Keplerian Motions	39	1	May-86	23
omalies	40	3-4	1987	315
from Long-Period Satellite Motion -	7	1	Jan-73	46
	9	3	May-74	395
ations of the Moon on the Orbital Elements	8	1	Aug-73	111
Earth's Shadowing Effects on	5	1	Jan-72	80
an Satellites of Jupiter	12	1	Aug-75	27
Terms Generated by The Coupling	25	3	Nov-81	293
hemerides	34	1-4	Sep-84	223
Variables. I: Morphogenetic Analysis	35	3	Mar-85	209
ase of a First-Order Resonance				
Variables. II: Formal Solutions for Central	35	3	Mar-85	221
t-Order Resonance				
	43	1-4	1987-1988	69
	26	3	Mar-82	225
	32	4	Apr-84	307
n Regular Variables and Averaging	34	1-4	Sep-84	453
	31	1	Sep-83	73
	35	2	Feb-85	189
	38	2	Feb-86	191
	37	1	Sep-85	59
d Equation. Generalized Sundman's	32	4	Apr-84	333
ne Perturbed Two-Body Problem				
	40	3-4	1987	335
	40	3-4	1987	315
nal Variations	30	1	May-83	71
Rotation				

## Authors

Ferronsky, S.V. >See Ferronsky, V.I. 18,2  
 Ferronsky, S.V. >See Ferronsky, V.I. 19,2  
 Ferronsky, S.V. >See Ferronsky, V.I. 20,1  
 Ferronsky, S.V. >See Ferronsky, V.I. 20,2  
 Ferronsky, S.V. >See Ferronsky, V.I. 23,3  
 Ferronsky, S.V. >See Ferronsky, V.I. 27,3  
 Ferronsky, S.V. >See Ferronsky, V.I. 32,2  
 Ferronsky, S.V. >See Ferronsky, V.I. 35,1  
 Ferronsky, V. I., Denisik, S. A., and Ferronsky, S. V.

Ferronsky, V.I, Denisik, S.A., and Ferronsky, S.V.

Ferronsky, V.I., Denisik, S.A., and Ferronsky, S.V.  
 Ferronsky, V.I., Denisik, S.A., and Ferronsky, S.V.

Ferronsky, V.I., Denisik, S.A., and Ferronsky, S.V.

Ferronsky, V.I., Denisik, S.A., and Ferronsky, S.V.

Ferronsky, V.I., Denisik, S.A., and Ferronsky, S.V.

Ferronsky, V.I., Denisik, S.A., and Ferronsky, S.V.

Fichera, Elio

Filho, J.A. Breves

Finkelstein, A.M.

Finkelstein, A.M., and Kreinovich, V.Ja.

Fisher, David

Fitzpatrick, M.J. >See Jefferys, W.H. 41,1-4

Fitzpatrick, Philip M. >See Hoots, Felix R. 20,1

Fitzpatrick, Philip M. >See Liu, Joseph J.F. 12,4

Flanagan, R.C. >See Rangarajan, R. 12,2

Flury, Walter

Virial Oscillations of Celestial Bodies  
 the Lyapunov Stability of Motion  
 Virial Oscillations of Celestial Bodies  
 to the Solution of the Perturbation Problem  
 and Electrodynamical Effects  
 The Solution of Jacobi's Virial Problem  
 The Virial-Based Solution for the Problem of  
 Gravitational Contraction  
 The Asymptotic Limit of the Virial Problem  
 for Celestial Bodies  
 Virial Oscillations of Celestial Bodies  
 Electrostatic Interactions  
 Virial Oscillations of Celestial Bodies  
 Evolutionary Problem in Newtonian Mechanics  
 The Solution of Jacobi's Virial Problem  
 Systems and Analysis of its Applications  
 Recherche du terme de nien  
 de l'astrodynamique  
 A New Proof of the Condition for the Existence of  
 Variable Constant of Gravitation  
 Relativistic Theory of the Motion of Celestial Bodies  
 Analytic Short Period Lunar Motion  
 Artificial Satellites

Zur Bahnberechnung von G

Title	Vol.	Iss.	Date Pub.	Page
	18	2	Aug-78	113
	19	2	Feb-79	173
	20	1	Jul-79	69
	20	2	Aug-79	143
	23	3	Mar-81	243
	27	3	Jul-82	285
	32	2	Feb-84	173
	35	1	Jan-85	23
	35	1	Jan-85	23
celestial Bodies. IV: ity of Motion				
celestial Bodies. II: A General Approach	27	3	Jul-82	285
Perturbed Oscillation Problem				
Effects				
s Virial Equation for Celestial Bodies	18	2	Aug-78	113
tion for The Velocity of Gaseous Sphere	19	2	Feb-79	173
ction				
of the Form-Factors Alpha and Beta Product	20	1	Jul-79	69
celestial Bodies-I. the Effect of	23	3	Mar-81	243
ions				
celestial Bodies. III: the Solution of the	32	2	Feb-84	173
n in Non-Newtonian Time Scale				
s Virial Equation for Nonconservative	20	2	Aug-79	143
s of its Dependence on Parameters				
de nieme ordre des developpements	9	4	Jul-74	513
nditions for a Canonical Transformation	6	1	Aug-72	108
Gravitational and Celestial Mechanics	2	2	Jul-70	237
the Moon's Motion	13	2	Mar-76	151
Lunar and Solar Perturbations of	6	4	Dec-72	447
	41	1-4	1987-1988	39
	20	1	Jul-79	19
	12	4	Dec-75	463
	12	2	Sep-75	231
von Geostationaren Satelliten	7	3	Apr-73	376

## Authors

Fomenko, A.T.

Fox, Ken

France, Richard G. >See Hoots, Felix R. 40,1

Fricke, W.

Fricke, W.

Fricke, W.

Fricke, Walter

Froeschle, C.

Froeschle, C. >See Gonczi, R. 25,3

Froeschle, C. >See Rickman, Hans 43,1-4

Froeschle, C., and Rickman, H.

Froeschle, C.L. >See Gonczi, R. 34,1-4

Froeschle, Ch., and Scholl, H.

Froeschle, CL.

Froeschle, Claude, and Gonczi, R.

Fujimoto, Masa-Katsu. >See Fukushima, Toshio. 38,3

Fukushima, Toshio

Fukushima, Toshio, Fujimoto, Masa-Katsu, Kinoshita, Hiroshi,  
and Aoki, Shinko

Fung, Jonathon C. >See Hughes, Peter C. 4,3-4

Gabibov, S.A. >See Arazov, G.T. 17,1

Gabibov, S.A. >See Arazov, G.T. 20,1

Galgani, Luigi. >See Bennettin, Giancarlo. 37,1

Galgani, Luigi. >See Giorgilli, Antonio. 17,3

Galgani, Luigi. >See Giorgilli, Antonio. 37,2

Gaposchkin, E.M.

Garfinkel, B.

Garfinkel, Boris

Garfinkel, Boris

Garfinkel, Boris

The Jump of The Second Derivative in  
Numerical Integration of the Equations  
of Celestial Mechanics

On the Determination of the Fundamental Reference Coordinates  
The Empirical Inertial System Determined  
by the Dynamics of the Planets  
Fundamental Catalogues, Part I  
Determinations of Precession and Nutation  
Numerical Study of a Four-Dimensional System

Monte Carlo Modelling of Celestial Dynamics

Secular Resonances: New Results from  
The Lyapunov Characteristic Exponents  
to Celestial Mechanics  
On the Stochasticity of Halley's Comet

The Fermi Coordinate System in General Relativity  
A System of Astronomical Coordinates

Comment on 'General Relativity and the  
of a Test Particle in The Solar System'  
On the Brown Conjecture  
Comment on Anthony G. Lichtenberg  
is the Critical Inclination?  
A Reply to A. G. Lubow  
On the Ideal Resonance Problem

Title	Vol.	Iss.	Date Pub.	Page
and Derivative of The Moon's Elongation	25	1	Sep-81	33
of the Equations of Motion	33	2	Jun-84	127
s	40	1	1987	1
of the Equinox and Equator of the New	22	2	Jul-80	113
ace Coordinate System, the FK5				
System Determined in FK5	34	1-4	Sep-84	37
the Planetary System (abstract)				
ies, Past, Present and Future	36	3	Jul-85	207
cession (invited Review Paper)	4	2	Oct-71	150
Four-Dimensional Mapping	8	2	Sep-73	281
	25	3	Nov-81	271
	43	1-4	1987-1988	243
g of Cometary Dynamics	43	1-4	1987-1988	265
	34	1-4	Sep 84	117
New Results	43	1-4	1987-1988	113
teristic Exponents - Applications	34	1-4	Sep-84	95
s				
f Halley Like Comets	43	1-4	1987-1988	325
	38	3	Mar-86	215
System in The Post-Newtonian Framework	44	1-2	1988-1989	61
ical Constants in the Relativistic Framework	38	3	Mar-86	215
	38	3	Mar-86	
	4	3-4	Dec-71	295
	17	1	Jan-78	49
	20	1	Jul-79	83
	37	1	Sep-85	1
	17	3	Apr-78	267
	37	2	Oct-85	95
Relativity and Satllite Orbits: The Motion	25	2	Oct-81	181
The Schwarzschild Metric' by D.P. Rubincam				
ure	34	1-4	Sep-84	459
G. Lubowe's Paper 'How Critical	1	1	Jun-69	11
ation?				
we	2	1	May-70	127
ce Problem	2	3	Oct-70	359

## Authors

Garfinkel, Boris  
Garfinkel, Boris

Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris

Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris

Garfinkel, Boris  
Garfinkel, Boris  
Garfinkel, Boris, and Williams, Carol A.  
Garfinkel, Boris. >See Cui, Dou-Xing. 35,1  
Garfinkel, Boris  
Garthwaite, K. >See Broucke, R.1,2  
Gedeon, G.S.  
Gedeon, G.S., and Dvornychenko, V.N.

George, Cl. >See Prigogine, I. 16,4  
Georgevic, R.M. >See Lass, H. 18,1  
Gerding, R. Bruce. >See Dvornychenko, Vladimir N. 16,3  
Getchell, Bassford C.  
Ghaffari, Abolghassem

Regularization in the Ideal  
Comparison of the Classical  
Resonance Problem  
Normality Condition in the  
Ignorable Coordinates in the  
The Global Solution of the Ideal  
Global Solution of the Ideal  
An Extended Ideal Resonance  
A Theory of Libration  
A Theory of the Trojan Asteroids  
Theory of the Trojan Asteroids  
Comments on the Paper An  
Involving Two Simultaneous  
J. Vagners  
The Regularizing Function  
Theory of the Trojan Asteroids  
On Resonance in Celestial Mechanics  
Recent Progress in the Theory of  
Theory of the Trojan Asteroids  
Comments on 'About an Unstable  
by F. Mignard and M. Hénon  
The Theory of the Trojan Asteroids  
On the Refutation of the Broucke  
A Second-Order Global Solution  
  
Errata. The Theory of the Trojan  
  
Tesseral Resonance Effects  
Optimum Aim Point Biasing  
Constraint  
  
Geodetic Latitude and Altitude  
On the Integrability Cases of  
a Satellite in an Axially Symmetric



Title	Vol.	Iss.	Date Pub.	Page
Ideal Resonance Problem	5	2	Mar-72	189
Classical and the Global Solutions of the Ideal	5	4	Jul-72	451
in the Ideal Resonance Problem	6	2	Sep-72	151
s in the Ideal Resonance Problem	7	2	Feb-73	205
f the Problem of the Critical Inclination	8	1	Aug-73	25
Ideal Resonance Problem	8	2	Sep-73	207
esonance Problem	12	2	Sep-75	203
	13	2	Mar-76	229
n Asteroids	14	3	Nov-76	301
Asteroids: Part II	18	3	Oct-78	259
per An Asymptotic Solution to a Problem	19	4	May-79	335
ltaneous Small Divisors' by L. Lewin and	19	4	May-79	
ction in Resonance Problems	22	1	Jul-80	13
Asteroids. III.	22	3	Oct-80	267
estial Mechanics (a Survey)	28	3	Nov-82	275
e Theory of Trojan Asteroids	28	1-2	Sep-82	153
Asteroids, IV	30	4	Aug-83	373
an Unsuspected Integrable Problem'	35	4	Apr-85	343
M. Henon				
ojan Asteroids, Part V	36	1	May-85	19
the Brown Conjecture	38	3	Mar-86	231
al Solution of the Ideal Resonance Problem	9	1	Mar-74	105
	35	1	Jan-85	89
f the Trojan asteroids, Part V'	38	3	Mar-86	232
	1	2	Oct-69	271
Effects on Satellite Orbits	1	2	Oct-69	167
Biasing in Case of a Planetary Quarantine	5	2	Mar-72	144
	16	4	Dec-77	489
	18	1	Jul-78	3
	16	3	Nov-77	263
d Altitude from Geocentric Coordinates	5	3	May-72	300
Cases of the Equation of Motion for	4	1	Sep-71	49
ally Symmetric Gravitational Field				

## Authors

Giacaglia, C.E.O., and Jefferys, W.H.

Giacaglia, G.E.O.

Giacaglia, G.E.O.

Giacaglia, G.E.O.

Giacaglia, G.E.O.

Giacaglia, G.E.O.

Giacaglia, G.E.O.

Giacaglia, Giorgio E., Murphy, James P., and Felsentreger, Theodore L.

Giacaglia, Giorgio E.O.

Giacaglia, Giorgio E.O.

Giorgilli, Antonio, and Galgani, Luigi

Giorgilli, Antonio, and Galgani, Luigi

Giorgilli, Antonio. >See Bennettin, Giancarlo. 37,1

Goldreich, Peter. >See Borderies, Nicole. 32,2

Goldstein, Samuel J. Jr.

Gomez, G., Llibre, J., and Masdemont, J.

Gomez, Gerard, and Llibre, Jaume

Gomez, Gerard, and Noguera, Miquel

Gomez, Gerard, and Olle, Mercel

Gonczy, R. >See Froeschle, C. 43,1-4

Gonczy, R., and Froeschle, C.

Gonczy, R., Froeschle, CH., and Froeschle, C.L.

Gonzales-Gascon, F.

Gonzalez-Gascon, F., Gonzalez-Lopez, A., and Pascual-Broncano, P.J.

Gonzalez-Lopez, A. >See Gonzalez-Gascon, F. 33,1

Motion of a Space Station. I

Trigonometric Interpolation

Characteristic Exponents at

Problem of Three Bodies

A Note on the Inclination Fun

Comments on the Paper by B

Resonance Problem

A Note on Hansen's Coefficient

The Equations of Motion of a

Variables

A Semi-analytic Theory for th

Lunar Perturbations of Artif

A Note on the Equilibrium P

Three Bodies

Formal Integrals for an Auto

Equilibrium Point

Rigorous Estimates for the S

Perturbation Theory

Deceleration of the Earth's R

Homoclinic and Heteroclinic

A Note on A Conjecture of P

Some Manifolds of Periodic C

Three-Body Problem

A Note on the Elliptic Restri

The Lyapunov Characteristi

Stochasticity in The Restri

Kolmogorov Entropy as a M

in Some Non-Integrable Ha

A Work of Caution Concerni

Integrability and Kowalevs

On Szbehely's Equation and

with Dainelly's-Whittaker's

Title	Vol.	Iss.	Date Pub.	Page
on. I	4	3-4	Dec-71	442
ation	1	3-4	Feb-70	360
nts at L4 and L5 in the Elliptic Restricted	4	3-4	Dec-71	468
ies				
on Functions of Satellite Theory	13	4	Jun-76	503
r by Boris Garfinkel: An Extended Ideal	13	4	Jun-76	515
efficients in Satellite Theory	14	4	Dec-76	515
on of an Artificial Satellite in Nonsingular	15	2	Mar-77	191
y for the Motion of a Lunar Satellite	3	1	Dec-70	3
F Artificial Satellites of the Earth	9	2	Apr-74	239
ium Points of the Restricted Problem of	12	4	Dec-75	519
n Autonomous Hamiltonian System near an	17	3	Apr-78	267
the Series Expansions of Hamiltonian	37	2	Oct-85	95
	37	1	Sep-85	1
	32	2	Feb-84	127
Earth's Rotation from Old Solar Tables	27	1	May-82	53
oclinic Solutions in the Restricted Three-Body Problem	44	3	1988-1989	239
e of Poincare	24	4	Aug-81	335
iodic Orbits in the Restricted	35	3	Mar-85	235
Restricted Three-Body Problem	39	1	May-86	33
	43	1-4	1987-1988	325
teristic Exponents as indicators of	25	3	Nov-81	271
Restricted Three-Body Problem				
s a Measure of Disorder	34	1-4	Sep-84	117
ble Hamiltonian Systems				
ncerning the Yoshida Criterion on Algebraic	44	4	1988-1989	309
valevski Exponents				
n and its Connection	33	1	May-84	85
taker's Equations	33	1	May-84	85

## Authors

Gooding, R.H.

Gooding, R.H.

Gooding, R.H. >See Odell, A.W. 38,4

Gooding, R.H., and Odell, A.W.

Gordon, Robert A.

Gorringe, V. M., and Leach, P.G.L.

Gottlieb, R.G. >See Feagin, T. 3,2

Goudas, C. >See Markellos, V.V. 17,3

Goudas, C. L., Leftaki, M., and Petsagourakis, E.G.

Goudas, C. L., Leftaki, M., and Petsagourakis, E.G.

Graf, O.F., and Bettis, D.G.

Graf, Otis F. Jr.

Graf, Otis. >See Ovenden, Michael W. 8,4

Grecos, A. >See Prigogine, I. 16,4

Greiner, J.

Griffith, J.S.

Griffith, J.S.

Griffith, J.S.

Griffith, J.S.

Griffith, J.S.

Griffith, J.S.

Griffith, J.S., and North, R.D.

Guillaume, P.

Guillaume, Pierre

Guillaume, Pierre

Guillaume, Pierre

Guillaume, Pierre

A Recurrence Relation for  
On Universal Elements,  
to and from Position and

The Hyperbolic Kepler Eq  
An Analytical Iterative Al  
Satellite Orbit Points wi  
Hamilton-like Vectors for  
with a Force Proportions

Motions in the Field of Tw  
I: Equilibrium Points  
Motions in the Field of Tw  
Stability of the Equilibri  
Modified Multirevolution  
Computation  
The Elimination of Short  
Problem of a High altitu

A New Kind of Stellar Or  
On the Perturbations of t  
Inner Ones  
On Some Approximations  
Some Differentials in Bro  
A Note on a Conjecture of  
Note on Lie Transforms  
An Addendum to Note on  
Escape Or Retention in th  
Periodic Symmetric Solut  
Regularization of the Tw  
New Periodic Solutions o  
Linear Analysis of One T  
The Restricted Problem:  
Matching Theory

Title	Vol.	Iss.	Date Pub.	Page
ion for Inclination Function	4	1	Sep-71	91
ents, and Conversion Procedures	44	3	1988-1989	283
on and Velocity	38	4	Apr-86	307
ler Equation (and The Elliptic Equation Revisited)	44	3	1988-1989	267
ive Algorithm for the Prediction of Special	7	2	Feb-73	280
nts with the Brouwer Orbit Theory	41	1-4	1987-1988	125
ers for a Class of Kepler Problems	3	2	Mar-71	227
portional to the Velocity	17	3	Apr-78	233
d of Two Rotating Magnetic Dipoles	37	2	Oct-85	127
nts	39	1	May-86	57
d of Two Rotating Magnetic Dipoles II.	11	4	Jun-75	433
ilibrium Points	14	3	Nov-76	321
lution Integration Methods for Satellite Orbit	8	4	Jan-74	455
Short and Intermediate Period Terms from the	16	4	Dec-77	489
altitude Earth Satellite	40	2	1987	171
lar Orbit in a Galactic Potential	3	4	Jul-71	478
ns of the Five Outer Planets by the Four	4	1	Sep-71	54
ations in Brown's Lunar Theory	6	1	Aug-72	111
in Brown's Lunar Theory	7	3	Apr-73	315
ture of Wintner and its Disproof by Waldvogel	7	4	Jun-73	395
orms and Lagrange's Implicit Function Theorem	19	3	Apr-79	295
ote on Central Dynamical Configurations	8	4	Jan-74	473
n in the Three-Body Problem	8	2	Sep-73	199
c Solutions of the Restricted Problem	10	2	Oct-74	141
ne Two Body Problem with Variable Mass	10	4	Dec-74	475
ions of the Three Dimensional Restricted Problem	11	2	Mar-75	213
One Type of Second Species Solutions	11	4	Jun-75	449
blem: An Extension of Breakwell-Perko's				

## Authors

Guinot, B.

Guinot, B. >See Capitaine, N. 39,3

Gupta, Usha. >See Bhatnagar, K.B. 39,1

Gyorgyey, Judit

Habibov, S.A. >See Arazov, G.T. 15,3

Hablani, Hari B. >See Shrivastava, S.K. 20,3

Hadjidemetriou, J.D.

Hadjidemetriou, John D.

Hadjidemetriou, John D.

Hadjidemetriou, John D.

Hadjidemetriou, John D.

Hadjidemetriou, John D.

Hadjidemetriou, John D.

Hadjidemetriou, John D.

Hadjidemetriou, John D. >See Bozis, G. 13,2

Hadjidemetriou, John D., and Christides, Th.

Hadrava, P., and Kadrnoska, J.

Hagedorn, P.

Hagedorn, P.

Hagedorn, P. >See Longman, R. 25,4

Hagel, J.

Hagel, Johannes, and Dvorak, Rudolf

Hahn, Gerhard, and Lagerkvist, C.I.

Halioulas, A.A. >See Markellos, V.V. 17,3

Hall, D.L. >See Taff, L.G. 16,4

Hall, D.L. >See Taff, L.G. 21,3

Hallan, P.P. >See Bhatnagar, K.B. 18,2

Hallan, P.P. >See Bhatnagar, K.B. 20,1

Hallan, P.P. >See Bhatnagar, K.B. 30,1

Hamill, Patrick J., and Blitzler, Leon

Is the International atomic Time  
or a Proper Time?

On the Non-Linear Stability  
in the Elliptic Restricted Problem

Periodic Orbits

The Continuation of Periodic Orbits  
Problem when the Primary is Near Resonance

The Stability of Periodic Orbits

The Existence of Families of Periodic Orbits

The Restricted Planetary 4-Body Problem

The Present Status of Periodic Orbits

On The Relation between Resonances  
in Planetary Systems

Periodic Orbits of the Planetary System

Families of Periodic Orbits

Comparison of Analytical and Numerical  
of the First Class Periodic Orbits

Some Remarks on the Structure of Periodic Orbits

A Short Note on Hamiltonian Systems

Integration Theory for the Restricted  
with Application to P-Type Orbits

An Analytical Study of Stability  
Orbital Evolution Studies of the Planetary System

Spin-Orbit Coupling: A Unified  
Resonances

Title	Vol.	Iss.	Date Pub.	Page
Atomic Time TAI a Coordinate Time	38	2	Feb-86	155
	39	3	1986	283
	39	1	May-86	67
Stability of Motions around L5	36	3	Jul-85	281
Restricted Problem of the Three Bodies				
	15	3	Apr-77	265
	20	3	Oct-79	297
	34	1-4	Sep-84	379
Periodic Orbits from the Restricted Three-Body	12	2	Sep-75	155
Primaries are Oblate Spheroids				
Periodic Orbits in the Three-Body Problem	12	3	Nov-75	255
Families of Periodic Orbits in The N-Body Problem	16	1	Sep-77	61
Quaternary 4-Body Problem	21	1	Jan-80	63
Periodic Orbits	23	3	Mar-81	277
Between Resonance and Instability	27	3	Jul-82	305
Planetary Type and their Stability	43	1-4	1987-1988	371
	13	2	Mar-76	127
Orbits in the Planar Three-Body Problem	12	2	Sep-75	175
Analytical and Numerical Calculations	39	3	1986	267
Periodic Orbits				
String Problem Treated by Singh and Demin	11	1	Feb-75	59
Hamiltonians Linear in the Momenta	17	2	Feb-78	127
	25	4	Dec-81	353
For the Restricted Three-Body Problem	43	1-4	1987-1988	223
P-Type Orbits				
Of Stable Planetary Orbits in the Circular Restricted Problem	42	1-4	1987-1988	355
Studies of Planet-Crossing Asteroids	43	1-4	1987-1988	285
	17	3	Apr-78	215
	16	4	Dec-77	481
	21	3	Apr-80	281
	18	2	Aug-78	105
	20	2	Aug-79	95
	30	1	May-83	97
A Unified Theory of Orbital and Rotational	9	1	Mar-74	127

## Authors

Hanslmeier, A.

Harrington, R. S.

Harrington, R.S.

Harrington, R.S. >See Seidelmann, P.K. 43,1-4

Harrington, Robert S.

Harrington, Robert S.

Hauck, B.

Haugen, E. >See Aksnes, K. 44,4

Havas, Peter

Hayli, A. >See Cartigny, N. 33,3

Hayli, A., and Dumont, Th.

Heffron, W.G. >See Ferrari, A.J. 8,1

Heggie, D.C. >See Valtonen, M.J. 19,1

Heggie, Douglas C.

Heggie, Douglas C.

Heggie, Douglas C.

Heggie, Douglas C.

Hein, W. >See Kirchgraber, U. 28,2

Hemenway, P.D. >See Duncombe, R.L. 26,2

Hemenway, P.D. >See Duncombe, R.L. 34,1-4

Hemenway, P.J. >See Jefferys, W.H. 37,3

Hemenway, Paul

Hennawi, A.

Hennawi, A.

Henon, M.

Henon, M.

Henon, M.

Henon, M.

Henon, M.

Application of Lie-Series to  
in Celestial Mechanics

A Review of Astrometric Ob

The Dynamical Decay of Un

The Stellar Three-Body Pro

Stability Criteria for Triple

Present and Future State of

Homographic Motions of a

I. Classification

Experiences numeriques su

arcs de cercles (Numerical

Constructd with Four Arcs

A Global Regularisation of

Redundant Variables for 'G

Problem

On the Bifurcations of a Ce

Bifurcation at Complex Ins

A Fundamental System Ba

On the Variation Equations

Les equations aux variation

(The Variational Equation

Vertical Stability of Periodi

Families of Periodic Orbits

A Family of Periodic Soluti

and their Stability

A Relation in Families of P

Stability of Interplay Motio



Title	Vol.	Iss.	Date Pub.	Page
ies to Regularized Problems	34	1-4	Sep-84	135
cs				
ric Observing	37	3	Nov-85	325
of Unstable 4-Body Systems	9	4	Jul-74	465
	43	1-4	1987-1988	55
ly Problem	1	2	Oct-69	200
Triple Stars	6	3	Nov-72	322
tate of Photometric Catalogues	22	2	Jul-80	135
	44	4	1988-1989	317
s of a Newtonian System of Point Masses.	7	3	Apr-73	321
	33	3	Jul-84	217
ues sur des billards C(1) formes de quatre arcs	38	1	Jan-86	23
merical Exploration of C(1) Billiards				
ar Arcs of Circles)	8	1	Aug-73	111
	19	1	Jan-79	53
ion of the Gravitational N-Body Problem	10	2	Oct-74	217
for 'Global' Regularization of the Three-Body	14	1	Aug-76	69
f a Certain Family of Periodic Orbits	29	3	Mar-83	207
ex Instability	35	4	Apr-85	357
	28	1-2	Sep-82	183
	26	2	Feb-82	207
	34	1-4	Sep-84	19
	37	3	Nov-85	299
em Based on Observations of Minor Planets	22	1	Jul-80	89
uations Associated with a Lagrangian	22	3	Oct-80	237
riations du probleme de Stormer	26	3	Mar-82	277
uations of Stormer's Problem)				
Periodic Orbits in the Restricted Problem	8	2	Sep-73	269
Orbits in the Three-Body Problem	10	3	Nov-74	375
Solutions of the Planar Three-Body Problem,	13	3	May-76	267
es of Periodic Solutions	15	1	Feb-77	99
Motions	15	2	Mar-77	243

## Authors

- Henon, M. >See Mignard, F. 33,3
- Henon, Michel, and Petit, Jean-Marc
- Henon, Michel. >See Hitzl, Donald L. 15,4
- Henrard, J. >See Lemaitre, A. 43,1-4
- Henrard, Jacques and Wauthier, Pascal
- Henrard, J.
- Henrard, J.
- Henrard, J.
- Henrard, J.
- Henrard, J.
- Henrard, J.
- Henrard, J.
- Henrard, J.
- Henrard, J., and Lemaitre, A.
- Henrard, J., Lemaitre, A., Milani, A., and Murray, C.D.
- Henrard, Jacques
- Henrard, Jacques
- Henrard, Jacques
- Henrard, Jacques
- Henrard, Jacques
- Henrard, Jacques
- Henrard, Jacques
- Henrard, Jacques, and Murigande, Charles
- Henrard, Jacques, and Lemaitre, Anne
- Henrard, Jacques, and Renard, Jacqueline
- Henrard, Jacques, and Roels, Jacques
- Henrard, Jacques, and Vleeschauwer, A. de
- Henrard, Jacques. >See Deprit, Andre. 1,2
- Heppenheimer, T.A.
- Heppenheimer, T.A.
- Heppenheimer, T.A.
- Heppenheimer, T.A.
- Series Expansions for Encounters
- A Geometric Approach to the
- On the Artificial Satellite The
- Perturbations Due to the Sh
- The Earth-Figure Perturbati
- Perturbations by The Oblate
- Capture into Resonance: An E
- Invariants
- On Brown's Conjecture
- Libration of Laplace's Argum
- A Second Fundamental Mod
- The Reducing Transformatio
- Periodic Orbits Emanating f
- On a Perturbation Using Lie
- Proof of a Conjecture of E. S
- Virtual Singularities in the
- Hill's Problem in Lunar The
- A New Solution to the Main
- On Poincare's Second Specie
- Colombo's Top
- A Perturbation Method for I
- Note on the Paper: 'Sur de n
- masses critiques de routh c
- trois corps' by J. Roels
- Equivalence for Lie Transfo
- Sweeping Through a Second
- Research Note: A Note on In
- Three-Body Problems
- Out-of-Plane Motion about I
- Eccentricity Effects
- Introduction to the Restrict
- Reduction to Proper Eleme

Title	Vol.	Iss.	Date Pub.	Page
Encounter-type Solutions of Hill's Problem	33	3	Jul-84	239
	38	1	Jan-86	67
	15	4	Aug-77	421
	43	1-4	1987-1988	91
to the Ideal Resonance Problem	44	3	1988-1989	227
ite Theory	14	3	Nov-76	331
the Shape of the Moon in Lunar Theory	22	4	Nov-80	335
urbations in The Lunar Theory	25	4	Dec-81	417
Oblateness of Earth and Moon	26	1	Jan-82	95
: An Extension of The Use of Adiabatic	27	1	May-82	3
	31	2	Oct-83	115
Argument in the Galilean Satellites Theory	34	1-4	Sep-84	255
l Model for Resonance	30	2	Jun-83	197
rmation and Apocentric Librators	38	4	Apr-86	335
ating from a Resonant Equilibrium	1	3-4	Feb-70	437
ng Lie Transforms	3	1	Dec-70	107
of E. Stromgren	7	4	Jun-73	449
n the Artificial Satellite Theory	10	4	Dec-74	437
ar Theory	17	2	Feb-78	195
Main Problem of Lunar Theory	19	4	May-79	337
Species Solution	21	1	Jan-80	83
	40	3-4	1987	345
d for Problems with Two Critical arguments	39	3	1986	213
ar de nouvelles series pour le probleme de	17	4	May-78	325
outh dansLe probleme restreint plan des				
ls				
ransforms	10	4	Dec-74	497
Second Order Resonance	43	1-4	1987-1988	99
	1	2	Oct-69	222
e on Independent Variables for Restricted	4	3-4	Dec-71	326
s				
about Libration Points: Non-Linearity and	7	2	Feb-73	177
restricted Jupiter Orbiter Problem	14	2	Sep-76	175
lements for the Entire Solar System	20	3	Oct-79	231

## Authors

Heppenheimer, T.A.

Herget, Paul

Hestenes, David

Hestenes, David

Hestenes, David, and Lounesto, Pertti

Hilinski, Stan. >See Velez, C.E. 17,1

Hirayama, TH. >See Soma, M. 41,1-4

Hitzl, Donald L.

Hitzl, Donald L.

Hitzl, Donald L., and Breakwell, John V.

Hitzl, Donald L., and Levinson, David A.

Hitzl, Donald L., and Levinson, David A.

Hitzl, Donald L., and Henon, Michel

Hitzl, Donald, and Zele, Frank.

Holder, Ernst

Holder, Ernst

Holdridge, D.B. >See Lieske, J.H. 4,2

Hooker, William W.

Hoots, Felix R.

Hoots, Felix R.

Hoots, Felix R., and France, Richard G.

Hoots, Felix R., and Fitzpatrick, Philip M.

Hoots, Felix R., Crawford, Linda L., and Roehrich, Ronald L.

Horedt, G.P.

Horedt, G.P.

On the Origin of the Kirkwood

Minor Planet Motion

Rotational Dynamics with C

Celestial Mechanics with Ge

Geometry of Spinor Regular

Resonant Attitude Instabili

Circular Orbit

The Swinging Spring - appr

Energy, II

Resonant and Non-Resonan

of a Tumbling Tri-axial Sa

Attitude Stability of a Spinn

Periodic Orbit

Application of Hamilton's L

Three-Body Problem

Critical Generating Orbits

of the Restricted Problem

Application of the Integral

Navigationsformel zu A. Bu

Navigation Formula to . Bu

of Space Travel

Equations of Motion for Int

A Derivation Independent

Theory of the Motion of an

Reformulation of The Brou

Computational Efficiency

An Analytic Satellite Theo

The Rotational Motion of a

the Einstein Theory of Ge

An Analytic Method to Det

between Satellites

Single Close Encounters in

A Variable Mass of the Pri

Triangular Points

Title	Vol.	Iss.	Date Pub.	Page
Kirkwood Gaps	22	3	Oct-80	297
	9	3	May-74	315
with Geometric Algebra	30	2	Jun-83	133
with Geometric Algebra	30	2	Jun-83	151
regularization	30	2	Jun-83	171
	17	1	Jan-78	83
	41	1-4	1987-1988	389
stabilities for a Symmetric Satellite in a	5	4	Jul-72	433
- approximate Analyses for Low and Very High	12	3	Nov-75	359
Resonant Gravity-Gradient Perturbations	3	3	Apr-71	346
Artificial Satellite				
Spinning Symmetric Satellite in a Planar	20	2	Aug-79	179
Newton's Law of Varying Action to the Restricted	22	3	Oct-80	255
Orbits for Second Species Periodic Solutions	15	4	Aug-77	421
Problem				
Integral Variation Method to Satellite Orbit Prediction	41	1-4	1987-1988	65
A. Busemanns Variationsproblem der Raumfahrt	2	3	Oct-70	435
to A. Busemann's Variation Problem	2	3	Oct-70	446
	4	2	Oct-71	233
for Interconnected Rigid and Elastic Bodies:	11	3	May-75	337
Independent of Angular Momentum				
of an Artificial Satellite	23	4	Apr-81	307
Brouwer Geopotential Theory for Improved	24	4	Aug-81	367
Efficiency				
Theory Using Gravity and a Dynamic Atmosphere	40	1	1987	1
on of an Earth Orbiting Gyroscope according to	20	1	Jul-79	19
of General Relativity				
to Determine Future Close Approaches	33	2	Jun-84	143
Orbits in the Planetary Problem	6	2	Sep-72	232
the Primaries and Librations around the	10	3	Nov-74	319

## Authors

- Horedt, G.P.  
 Horedt, G.P., Pop, P., and Ruck, H.  
 Horedt, Georgpaul, and Mioc, Vasile  
 Horn, M.K. >See Bettis, D.G. 14,1  
 Hotimskaya, E.Z., and Petrovskaya, M.S.  
 Hough, Michael E.  
 Hough, Michael E.  
 Hough, Michael E.  
 Hough, Michael E.  
 Hough, Michael E.  
 Hough, Michael E.  
 Hough, Michael E.  
 House, F., Weiss, G., and Wiegandt, R.  
 House, F.C. >See Innanen, K.A. 3,2  
 House, F.C., Innanen, K.A., and Keenan, D.W.  
 Howell, K. C.  
 Howell, K. C., and Pernicka, H.J.  
 Howell, K.C.  
 Howell, K.C., and Breakwell, J.V.  
 Howland, R. A.  
 Howland, R.A.  
 Howland, R.A.  
 Howland, R.A., and Richardson, D.L.  
 Howland, Robert A. Jr.  
 Howland, Robert A. Jr.  
 Howland, Robert A. Jr.  
 Howland, Robert A. Jr.  
 Huang, Tian-Yi, and Valtonen, Mauri J.  
 Hubbard, E.D. >See Cohen, C.J. 7,4  
 Hughes, P.C. >See Sincarsin, G.B. 31,2  
 Trojan Orbits with Mass Ex  
 The Titius-Bode Law - Plac  
 Infinitesimal Librations wit  
 Group Method of Calculatin  
 Orbits near Critical Inclinat  
 Sun-Synchronous Orbits ne  
 Semi-analytic Solution of a  
 Isovortical Orbits of Autono  
 Two-Degree-of-Freedom D  
 Isovortical Orbits in Uniform  
 Intrinsic Stability of Period  
 A New Integration Theory f  
 Numerical Integration of St  
 Numerical Integration Meth  
 Consecutive Collision Orbit  
 of the Elliptic Restricted P  
 Numerical Determination o  
 Three-Body Problem  
 Three-Dimensional, Periodic  
 Almost Rectilinear Halo Or  
 Quadratic Analytical Soluti  
 through Formal Hamilton  
 Computer Implementation  
 Analytical Solution of Har  
 A New Approach to the Lib  
 The Hamiltonian Transfor  
 Kustaanheimo-Stiefel Regu  
 Transformations  
 An Improved Transformati  
 of Perturbed Hamiltonian  
 A Note on the Application o  
 Hamiltonians  
 Two Multiderivate Multist

Title	Vol.	Iss.	Date Pub.	Page
Mass Exchange of the Primaries	33	4	Aug-84	367
Place for More Than Ten Planets?	16	2	Oct-77	209
Systems with Variable Primary Mass	13	4	Jun-76	421
	14	1	Aug-76	133
Calculating the Perturbations of Minor Planets	11	2	Mar-75	265
Inclination, including Lunisolar Perturbations	25	2	Oct-81	111
Orbits near Critical Inclination	25	2	Oct-81	137
Solution of a Two-Body Problem with Drag	32	4	Apr-84	371
Autonomous, Conservative,	36	1	May-85	1
and Non-Hamiltonian Dynamical Systems				
Uniformly Rotating Coordinates	39	3	1986	249
Periodic Orbits	40	2	1987	111
Theory for Conservative Two Degree-of-Freedom Systems	44	1-2	1988-1989	1
Orbits of Stellar Systems	18	4	Nov-78	311
	3	2	Mar-71	145
New Methods for Galactic Orbit Computations	11	1	Feb-75	3
Orbits in the Limiting Case $\mu \rightarrow 0$	40	3-4	1987	393
Restricted Problem				
Calculation of Lissajous Trajectories in the Restricted	41	1-4	1987-1988	107
Three-Body Problem				
Periodic, 'Halo' Orbits	32	1	Jan-84	73
Halo Orbits	32	1	Jan-84	29
Solution of General Systems	39	4	1986	329
Linearization				
Calculation of an Algorithm for The Quadratic	26	1	Jan-82	23
of Hamiltonian Systems				
The Librational Solution in the Ideal Resonance Problem	44	3	1988-1989	209
Transformation in Quadratic Lie Transforms	32	2	Feb-84	
Global Regularization and Nonclassical Canonical	15	3	Apr-77	353
Reduction-Elimination Technique for the Solution	19	1	Jan-79	95
of Hamiltonian Systems				
Application of the Von Zeipel Method to Degenerate	19	2	Feb-79	139
Multistep (MDMS) Integrators	42	1-4	1987-1988	223
	7	4	Jun-73	438
	31	2	Oct-83	143

## Authors

Hughes, Peter C.

Hughes, Peter C., and Fung, Jonathon C.

Hughes, Peter. >See De Lafontaine, Jean. 29,1

Hughes, S.

Hughes, S.

Hulkower, Neal D.

Hurnik, H., and Serafin, R.A.

Ibort, Luis A. >See Carinena, Jose F. 42 1\_4

Ingram, D.S., and Tapley, B.D.

Innanen, K.A. >See House, F.C. 11,1

Innanen, K.A. >See Papp, K.A. 18,3

Innanen, K.A. >See Papp, K.A. 21,4

Innanen, K.A., House, F.C., and Smith, C.E.

Inoue, T.

Ioakimidis, N.I., and Papadakis, K. E.

Ip, W.H.

Ireland, B. >See Walker, M.J.H. 36,4

Irigoyen, Mme

Isayev, Y.N., and Kunitsyn, A.L.

Isayev, Y.N., and Kunitsyn, A.L.

Ishwar, Bhola. >See Singh, Jagadish. 32,3

Ishwar, Bhola. >See Singh, Jagadish. 35,2

Ivanova, T.V. >See Brumberg, V.A. 26,1

Jackson, Edward. >See Smith, Clayton. 37,3

Jacobson, Ira D. >See Junkins, John L. 7,4

Jacobson, Robert A., and Powers, William F.

Jacoby, Neil H. Jr. >See Baker, Robert M.L. Jr. 15,2

Janin, G., and Roth, E.A.

Janin, Guy

Dynamics of Flexible Space

Liapunov Stability of Spin

Flexible Appendages

The Computation of Tables

The 'Critical Inclination': A

Central Configurations and

Three-Body Problem

Modern View on Laplace's

Lunar Orbit Determination

Accelerations

A Note: Remarks on Nume

to Galactic Orbit Comput

Termes seculaires dans la

A New Simple Method for

Application of the Brown-S

and Resonant Asteroids

Etude du choc de deux pet

corps de masse preponder

To the Problem of Satellite

of Solar Radiation Pressu

Optimal Low-Thrust Take

Decay of a Highly Eccentr

Accurate Computation of



Title	Vol.	Iss.	Date Pub.	Page
Space Vehicles with Active Attitude Control	9	1	Mar-74	21
Spinning Satellites with Long s	4	3-4	Dec-71	295
	29	1	Jan-83	3
Tables of Hansen Coefficients	25	1	Sep-81	101
tion': Another Look	25	3	Nov-81	235
ns and Hyperbolic-Elliptic Motion in the n	21	1	Jan-80	37
lace's Problem	31	1	Sep-83	53
	42	1-4	1987-1988	201
nation in the Presence of Unmodeled	9	2	Apr-74	191
	11	1	Feb-75	3
	18	3	Oct-78	277
	21	4	May-80	337
Numerical Integration Procedures as Applied omputations	3	2	Mar-71	145
ns la theorie des perturbations	34	1-4	Sep-84	185
d for the Analytical Solution of Kepler's Equation	35	4	Apr-85	305
rown-Shook Model to the Kirkwood Gaps roids	9	1	Mar-74	73
	36	4	Aug-85	409
ux petites masses en presence d'un troisieme ponderante	9	4	Jul-74	491
atellite's Perturbed Motion under the Influence Pressure	6	1	Aug-72	44
	6	1	Aug-72	
	32	4	Apr-84	297
	35	3	Mar-85	201
	26	1	Jan-82	77
	37	3	Nov-85	277
	7	4	Jun-73	398
t Takeoff from an Orbit about an Oblate Planet	15	2	Mar-77	161
	15	2	Mar-77	137
ccentric Satellite	14	1	Aug-76	141
on of Highly Eccentric Satellite Orbits	10	4	Dec-74	451

### Authors

- Janin, Guy. >See Bond, Victor R. 23,2
- Jefferys, W. H., Fitzpatrick, M.J., and McArthur, B.E.  
Jefferys, W.H.  
Jefferys, W.H. >See Giacaglia, C.E.O. 4,3-4  
Jefferys, W.H. >See Sivaramakrishnan, A. 26,1  
Jefferys, W.H., and Yi, Zhao-Hua
- Jefferys, William H.  
Jefferys, William H.  
Jefferys, William H.  
Jefferys, William H. >See Campbell, J.A. 2,4  
Jefferys, William H. >See Ricklefs, Randall L. 29,2  
Jefferys, William H. III >See Shelus, Peter J. 11,1  
Jefferys, W. H., Benedict, G. F., Hemenway, P.J., Shelus, P.J.,  
and Duncombe, R.L.  
Jenkins, R.Z., and Bartlett, J.H.  
Jenkins, Robert E. >See Lubowe, Anthony G. 2,1  
Jezewski, D. J.  
Jezewski, D.J.
- Jezewski, D.J.  
Jezewski, Don. >See Mittleman, Don. 28,4  
Jezewski, Donald J.
- Jezewski, Donald J.  
Jezewski, Donald J. >See Donaldson, John D. 16,3  
Jezewski, Donald J., and Donaldson, John D.  
Jochim, E.F., and Eckstein, M.C.  
Johnson, D.E. >See Lieske, J.H. 4,2  
Johnston, K., Spencer, J., Klepczynski, W., and McCarthy, D. G.  
Johnston, K.J. >See Seidelmann, P.K. 34,1-4  
Jopek, T.J. >See Dybczynski, P.A. 38,4  
Jorba, A. >See Casasayas, J. 42,1-4  
Jordan, J.F. >See Born, G.H. 9,3  
Journet, A. >See Davila, H. 12,1  
Junkins, J.L. >See Engels, R.C. 24,1  
Junkins, J.L. >See Kraige, L.G. 13,1

GaussFit - a System for Least Squares  
Astrometry with the Space Telescope

Stability in the Restricted Problem  
with Liapounov Characteristic Exponents  
A Fortran-Based List Processing Program  
Automated, Close Form Integration  
A Precompiler for the Formulation of

Prospects for Astrometry with the Space Telescope

The Stability of an area-Preserving Map

The Invariance of the Restricted Problem  
A Noncanonical Analytic Solution for the  
Two-Body Problem  
An Analytic Solution for the Restricted Problem

A Comparative Study of New Methods for  
Sperling/Burdet Optimal Trajectory  
K/S Two-Point-Boundary Value Problems

Coupled Motion of Rigid Bodies  
On the True Circular Orbit of a Binary System

Astrometric Radio Source Catalog

Title	Vol.	Iss.	Date Pub.	Page
	23	2	Feb-81	159
Least Squares and Robust Estimation	41	1-4	1987-1988	39
Space Telescope	22	2	Jul-80	175
	4	3-4	Dec-71	442
	26	1	Jan-82	41
ected Problem of Three Bodies	30	1	May-83	85
Characteristic Numbers				
Processor for Poisson Series	2	4	Nov-70	474
m Integration of Formulas in Elliptic Motion	3	3	Apr-71	390
Formula Manipulation System Trigman	6	1	Aug-72	117
	2	4	Nov-70	467
	29	2	Feb-83	179
	11	1	Feb-75	75
try with the Hubble Space Telescope	37	3	Nov-85	299
	37	3	Nov-85	
ea-Preserving Mapping	5	3	May-72	407
	2	1	May-70	21
Restricted Problem of Three Bodies	36	3	Jul-85	287
tic Solution to the J2 Perturbed	30	4	Aug-83	343
For the J2 Perturbed Equatorial Orbit	30	4	Aug-83	363
	28	4	Dec-82	401
of Newtonian, Kustaanheimo/Stiefel, and	12	3	Nov-75	297
mal Trajectories				
ary-Value Problems	14	1	Aug-76	105
	16	3	Nov-77	367
id Bodies about their Center of Mass	19	1	Jan-79	59
Orbit of a Satellite	21	2	Feb-80	149
	4	2	Oct-71	233
Source Catalogs	22	2	Jul-80	143
	34	1-4	Sep-84	39
	38	4	Apr-86	345
	42	1-4	1987-1988	129
	9	3	May-74	395
	12	1	Aug-75	51
	24	1	May-81	3
	13	1	Feb-76	39

## Authors

Junkins, John L. >See Morton, Harold S. Jr. 10,3  
 Junkins, John L., Jacobson, Ira D., and Blanton, Jeffrey N.  
 Jupp, A. H.  
 Jupp, A.H.

Jupp, A.H., and Abdulla, A.Y.

Jupp, Alan H.

Jupp, Alan H.  
 Jupp, Alan H.  
 Jupp, Alan H.  
 Jupp, Alan H.

Jupp, Alan H.  
 Jupp, Alan H.  
 Jupp, Alan H.

Jupp, Alan H.  
 Jupp, Alan H.

Jupp, Alan H.

Jupp, Alan H.  
 Jupp, Alan H., and Abdulla, Ali Y.

Jupp, Alan H., and Abdulla, Ali Y.

Kadrnoska, J. >See Hadrava, P. 39,3  
 Kakuta, Chuichi. >See Aoki, Shinko. 4,2  
 Kallrath, J. >See Neutsch, Wolfram 43,1-4  
 Kallrath, Josef  
 Kalvouridis, T. , and Mavraganis, A.  
 Kalvouridis, T. J., and Mavraganis, A.G.  
 Kalvouridis. T., Mavraganis, A., Pangalos, C., and Zagouras, Ch.

A Nonlinear Oscillator Anal  
 The Critical Inclination Pro  
 A Comparison of The Bohl  
 in Resonant Systems  
 The Ideal Resonance Proble  
 of Two Formal Solutions I  
 A Second-Order Solution of  
 Lie Series  
 The Perturbed Ideal Resona  
 On the Global Solution in th  
 A Global Solution in the Res  
 The Ideal Resonance Proble  
 Expressed in Terms of Mes  
 Conditions  
 On the Free Rotation of a R  
 The Problem of the Critical  
 On Broucke's Velocity-Relat  
 Problem  
 Some Investigations into th  
 Comments on 'The Motion o  
 Second-Degree Sectorial H  
 The Critical Inclination Pro  
 I. General Theory  
 The Ideal Resonance Proble  
 The Critical Inclination Pro  
 II: Application to Earth S  
 The Ideal Resonance Proble  
 of Two Formal Solutions, I

Bounded Orbits in the Ellip  
 The Equatorial Equilibrium  
 Symmetric Motions in the I  
 Areas of Equatorial Motion

Title	Vol.	Iss.	Date Pub.	Page
Analogue of Rigid Body Dynamics	10	3	Nov-74	287
on Problem: 30 Years of Progress	7	4	Jun-73	398
Bohlin-Von Zeipel and Bohlin-Lie Series Methods	43	1-4	1987-1988	127
	26	4	Apr-82	413
Problem - a Comparison	34	1-4	Sep-84	411
sions I				
sion of the Ideal Resonance Problem by	5	1	Jan-72	8
esonance Problem	7	1	Jan-73	91
n in the Resonance Problem of Poincare	7	3	Apr-73	347
he Resonance Problem of Poincare	8	2	Sep-73	213
Problem: A Comparison of the Solutions	8	4	Jan-74	523
of Mean Elements and in Terms of Initial				
of a Rigid Body	9	1	Mar-74	3
ritical Inclination Revisited	11	3	May-75	361
-Related Series Expansions in the Two Body	12	4	Dec-75	513
into the Atmospheric Drag Problem	14	3	Nov-76	335
ption of a Satellite in Resonance with the	19	3	Apr-79	291
trial Harmonic' by Dallas and Diehl				
on Problem with Small Eccentricity.	21	4	May-80	361
Problem: A Comparison of Two Formal Solutions III	40	2	1987	87
on Problem with Small Eccentricity.:	30	3	Jul-83	297
arth Satellites				
Problem, A Comparison	37	2	Oct-85	183
sions, II	39	3	1986	267
	4	2	Oct-71	171
	43	1-4	1987-1988	185
e Elliptic Restricted Three-Body Problem	43	1-4	1987-1988	399
ilibrium-Configurations of the Magnetic-Binary Problem	35	4	Apr-85	397
n the Equatorial Magnetic - Binary Problem	40	2	1987	177
Motion in the Magnetic-Binary Problem	37	2	Oct-85	161

### Authors

Kalybaev, A.A. >See Erzhanov, Zh. S. 33,2  
 Kamel, Ahmed A. >See Breakwell, John V. 10,3  
 Kamel, Ahmed A. >See Farquhar, Robert W. 7,4  
 Kamel, Ahmed Aly

Kamel, Ahmed Aly  
 Kamel, Ahmed Aly  
 Kamel, Ahmed Aly

Kamel, Ahmed, and Tibbitts, Richard

Kamel, Ahmed, Ekman, Donald, and Tibbitts, Richard

Kammeyer, P.C.  
 Kammeyer, P.C.  
 Kammeyer, P.C.  
 Kammeyer, P.C.

Kammeyer, P.C.  
 Kane, T.R., and Marsh, E.L.

Kaplan, G.H. >See Seidelmann, P.K. 34,1-4  
 Karaballi, A. A.  
 Karch, M., and Dvorak, R.  
 Katopodis, K.

Kazantzis, P.G. >See Markellos, V.V. 15,1  
 Keenan, D.W. >See House, F.C. 11,1  
 Keil, E.  
 Kellner, Herbert A.

Kelly, T.J. >See Richardson, D.L. 43,1-4  
 Kent, Jack T., and Betz, Harry R.  
 Kholchevnikov, Constantin  
 Kholchevnikov, Constantin  
 Kholchevnikov, Constantin

Expansion Formulae in Can  
 Depending on a Small Para  
 Perturbation Method in the  
 Lie Transforms and the Han  
 East-West Stationkeeping R  
 Earth's Triaxiality and Lun  
 Some Useful Results on Init  
 Circular Satellite Orbits  
 East-West Stationkeeping R  
 Satellites Due to Earth's T  
 Periodic and Quasi-Periodic  
 Periodic Orbits around a Ro  
 Periodic Three Body Orbits  
 Properties of Linearized Ma  
 in the Three-Body Problem  
 Symmetric Rectilinear Per  
 Attitude Stability of a Symm  
 Points in the Restricted Th

On the Ejection Solutions in  
 New Results on the Possibl  
 Continuation of Periodic Or  
 Restricted to the General ?

Stability of Particle Orbits  
 The Local Invariants under  
 and their Applications

Ground Traces of artificial  
 Le developpement du poten  
 Le developpement du poten  
 On Convergence of an Asym  
 Spherical Harmonics

Title	Vol.	Iss.	Date Pub.	Page
	33	2	Jun-84	169
	10	3	Nov-74	357
	7	4	Jun-73	458
on Canonical Transformations	1	2	Oct-69	190
l Parameter				
on the Theory of Nonlinear Oscillations	3	1	Dec-70	90
the Hamiltonization of Non-Hamiltonian Systems	4	3-4	Dec-71	397
oping Requirements of 24-h Satellites Due to and Luni-Solar Effects	12	4	Dec-75	425
on Initial Node Locations for near-Equatorial bits	8	1	Aug-73	45
oping Requirements of nearly Synchronous th's Triaxiality and Luni-Solar Effects	8	1	Aug-73	129
riodic Earth Satellite Orbits	14	2	Sep-76	159
d a Rotating Ellipsoid	17	1	Jan-78	37
Orbits in the Case of Small Third Mass	17	2	Feb-78	121
ed Mappings Associated with Periodic Orbits blem	22	3	Oct-80	289
ar Periodic Orbits of Three Bodies	30	4	Aug-83	329
Symmetric Satellite at the Equilibrium	4	1	Sep-71	78
ted Three-Body Problem	34	1-4	Sep-84	39
ions in a Central Force Field	41	1-4	1987-1988	323
ossible Chaotic Motion of Enceladus	43	1-4	1987-1988	361
dic Orbits: Three-Dimensional Circular	19	1	Jan-79	43
eneral Three-Body Problem	15	1	Feb-77	35
	11	1	Feb-75	3
Orbits	43	1-4	1987-1988	163
under Rotations about an Axis	2	3	Oct-70	382
ns	43	1-4	1987-1988	193
ificial Earth Satellites	1	1	Jun-69	91
potentiel dans le cas d'une densite analytique	3	2	Mar-71	232
potentiel dans le cas d'une densite lisse	6	2	Sep-72	214
n Asymmetrical Body Potential Expansion in s	16	1	Sep-77	45

## Authors

Kienitsyn, A.L.

King, Ivan R.

King, R.W. >See Cappallo, R.J. 26,2

King-Hele, D.G.

King-Hele, D.G., and Walker, Doreen M.C.

Kinoshita, H.

Kinoshita, H. >See Soma, M. 41,1-4

Kinoshita, H., and Nakai, H.

Kinoshita, H., and Nakai, H.

Kinoshita, Hiroshi

Kinoshita, Hiroshi

Kinoshita, Hiroshi

Kinoshita, Hiroshi

Kinoshita, Hiroshi, and Aoki, Shinko

Kinoshita, Hiroshi, and Nakai, Hiroshi

Kinoshita, Hiroshi. >See Aoki, Shinko. 29,4

Kinoshita, Hiroshi. >See Fukushima, Toshio. 38,3

Kinoshita, Hiroshi. >See Kozai, Yoshihide. 7,2

Kinoshita, Hiroshi. >See Kozai, Yoshihide. 7,3

Kinoshita, Hiroshi. >See Nakai, Hiroshi. 36,4

Kirchgraber, U. >See Szebehely, V. 21,1

Kirchgraber, U., and Hein, W.

Kirchgraber, U., and Vitins, M.

Kirchgraber, Urs

Kirchgraber, Urs

Kirchgraber, Urs

Kirchgraber, Urs

Kirchgraber, Urs

Geometricheskaya Interpretatsiya

Ustoichivosti Treugolnykh

Stellar Dynamics

Comment on the Paper 'Some Problems

Drag Problem' by A.H. Jupp

The Change in Satellite Orbital Elements

Atmosphere with Day-To-Night

Comparison of SALE with N

Motions of the Perihelions of

Mars Theory and its Comparison

Theory of the Rotation of the

A Note on Expansions of Functions

Problem

A Note on the Averaging Method

Comment on 'Poisson Equations

Triaxial Body with Applications

Satellite' by Liu and Fitzpatrick

The Definition of the Ecliptic

Note on Secular Perturbations

and a Prograde Body

A Procedure for Computer Languages

The Structure of The Secular

A Problem of Orbital Dynamics

The Transformational Behavior

A Set of Elements Based on

and its Applications

Error Bounds for Perturbations

Towards a Rigorous Justification

Stabilization Method



Title	Vol.	Iss.	Date Pub.	Page
Interpretatsiya Neobkhodimykh Uslovii	3	2	Mar-71	222
Uslonnykh Tochek Libratzii Zadachi Trekh Tel				
	9	3	May-74	349
	26	2	Feb-82	145
Some Investigations into the Atmospheric	18	2	Aug-78	163
H. Jupp				
On the Orbital Inclination Caused by a Rotating	5	1	Jan-72	41
Day-To-Night Density Variation				
with Numerical Integration	26	1	Jan-82	71
	41	1-4	1987-1988	389
Orbits of Neptune and Pluto	34	1-4	Sep-84	203
Comparison with Numerical Integration	26	2	Feb-82	169
of the Rigid Earth	15	3	Apr-77	277
of Functions of Velocity in the Two-Body	15	4	Aug-77	501
ing Method	17	2	Feb-78	131
Equations of Rotational Motion for a Rigid	21	3	Apr-80	253
Application to a Tumbling artificial				
Fitzpatrick				
Ecliptic	31	4	Dec-83	329
Perturbations between a Retrograde Body	42	1-4	1987-1988	279
	29	4	Apr-83	335
	38	3	Mar-86	215
	7	2	Feb-73	156
	7	3	Apr-73	356
	36	4	Aug-85	391
	20	4	Jan-80	3
Outer Level Lines	28	1-2	Sep-82	183
Secular System in Nonlinear Oscillations	12	2	Sep-75	139
Dynamics, which is Separable in KS-Variables	4	3-4	Dec-71	340
Behaviour of Perturbation Theories	7	4	Jun-73	474
based on Polar Coordinates in the KS-Space	8	2	Sep-73	251
Perturbation Methods	14	3	Nov-76	351
Justification of the Steifel-Baumgarte	21	2	Feb-80	225

### Authors

Klemola, A.R. >See Vasilevskis, S. 4,2

Klepczynski, W. >See Johnston, K. 22,2

Klepczynski, W.J. >See Duncombe, R.L. 4,2

Klepczynski, W.J., Seidelmann, P.K., and Duncombe, R.L.

Klimopoulos, S. >See Markellos, V.V. 17,3

Klimopoulos, S. >See Markellos, V.V. 17,3

Klokocnik, Jaroslav

Klosko, S.M. >See Douglas, B.C. 10,2

Klosko, S.M. >See Wagner, C.A. 16,2

Knezevic, Zoran

Knothe, Herbert

Knowles, S.H., and Thacker, D.L.

Kochina, N.G. >See Brumberg, V.A. 3,2

Kondurar, V.T.

Konopliv, Alex

Kopejkin, S.M.

Kornhauser, Alain L., and Lion, Paul M.

Kornhauser, Alain L., and Lion, Paul M.

Korshunova, N.A. >See Azizov, A.G. 38,4

Kovalevsky, J.

Kovalevsky, J.

Kovalevsky, J.

Kovalevsky, J.

Kovalevsky, J.

Kovalevsky, J. >See Brumberg, V.A. 39,2

Kovalevsky, Jean

Kozai, Yoshihide

Kozai, Yoshihide

Kozai, Yoshihide, and Kinoshita, Hiroshi

Kozai, Yoshihide, and Kinoshita, Hiroshi

Kraige, L.G., and Junkins, J.L.

The Masses of the Principal

Orbital Rates of Earth Satellites  
to Test the Accuracy of Earth

Secular Variations of Major  
Satellites and Riemannian Curvatures  
Applications of Interferometric  
Planetary Detection

On Lagrange Solutions in the  
Generalization of Szebehely's  
Celestial Coordinate Reference  
Optimal Deterministic Guidance  
Analytical Guidance in the  
Trajectories

The 1964 IAU System and the  
Global Astronomy by Space  
S. Ferraz Mello, Dynamics of  
Hipparcos and The Dynamical  
Tidal Effects and the Motion

Determination des masses des  
Satellite Theory  
Secular Perturbations of Resonant  
Periodic Solutions of the Three  
Three Bodies and Their Stability  
Effects of Motion of the Earth  
of an Earth Satellite  
Perturbation Formulations

Title	Vol.	Iss.	Date Pub.	Page
	4	2	Oct-71	163
	22	2	Jul-80	143
	4	2	Oct-71	224
Principal Planets	4	2	Oct-71	253
	17	3	Apr-78	215
	17	3	Apr-78	233
Satellites at Resonances	30	4	Aug-83	407
of Earth Gravity Field Models				
	10	2	Oct-74	165
	16	2	Oct-77	143
Major Planets' Orbital Elements	38	2	Feb-86	123
Planetary Geometry	1	1	Jun-69	36
Astrometers in Space to Astrometry and	22	2	Jul-80	197
	3	2	Mar-71	197
s in the Problem of Three Rigid Bodies	10	3	Nov-74	327
Chely's Regions for Asteroid Stability	36	3	Jul-85	241
Reference Systems in Curved Space-Time	44	1-2	1988-1989	87
Guidance for Bounded-Thrust Spacecrafts	5	3	May-72	261
in the Neighborhood of Optimal Multi-Impulse	5	3	May-72	282
	38	4	Apr-86	297
and the Geodetic Reference System 1967	4	2	Oct-71	279
Space Techniques	22	2	Jul-80	153
Dynamics of the Galilean Satellites (Book Review)	23	3	Mar-81	295
Dynamics of the Solar System	26	2	Feb-82	213
Motion of a Satellite (Abstract)	34	1-4	Sep-84	243
	39	2	1986	133
Masses des planetes (Invited Review Paper)	4	2	Oct-71	213
	23	4	Apr-81	365
s of Resonant Asteroids	36	1	May-85	47
the Third Sort for Restricted Problem of	7	2	Feb-73	156
their Stability				
the Equatorial Plane on the Orbital Elements	7	3	Apr-73	356
ations for Satellite Attitude Dynamics	13	1	Feb-76	39

## Authors

Krasilnikov, P.S., and Kunitsyn, A.L.

Krasinsky, G.A.

Krasinsky, G.A., and Sveshnikov, M.L.

Kreinovich, V. Ja. >See Finkelstein, A.M. 13,2

Kresak, L. >See Carusi, A. 43,1-4

Kribbel, J. , and Dvorak, R.

Kribbel, J. >See Dvorak, R. 43,1-4

Kriz, J.

Kriz, J.

Krogh, Fred T., Ng, Edward W., and Snyder, William V.

Kubo, Y.

Kubo, Yoshio

Kubo, Yoshio

Kuiper, Gerard P.

Kumar, Vijay, and Choudhry, R.K.

Kumar, Vijay, and Choudhry, R.K.

Kumar, Vijay, and Choudhry, R.K.

Kunitsyn, A.L.

Kunitsyn, A.L. >See Isayev, Y.N. 6,1

Kunitsyn, A.L. >See Krasilnikov, P.S. 15,1

Kunitsyn, A.L., and Tureshbaev, A.T.

Kunitsyn, A.L., and Perezhogin, A.A.

Kurcheeva, I.V.

Kustaanheimo, Paul E.

On the Stabilization of the  
Restricted Circular Three-  
Critical Inclinations in Plan  
Dynamical Equinox and An

Stability of Periodic Resona

A Uniform Solution of the L  
Variational Formulae for S  
in Astrodynamics

The Gravitational Field of a  
Perturbations by The Oblat  
the Motion of the Moon

A Core-Mantle Interaction in  
Comments on Rochester's C  
On the Origin of the Solar

Existence of Libration Poin  
Restricted Problem of Th

On the Stability of the Tri  
Circular Restricted Proble  
of the Third and Fourth C

On the Stability of the Tri  
Circular Restricted Proble  
Bodies are Radiating as W  
on the Stability of Laplace'  
Three-Body Problem

On the Collinear Libration  
Three-Body Problem

On the Stability of Triangu  
Photogravitational Restr

An Accelerated Elimination  
Hamiltonian Systems  
Motor Integrals of a Gener

Title	Vol.	Iss.	Date Pub.	Page
of the Collinear Libration Points of the Three-Body Problem	15	1	Feb-77	41
n Planetary Problems	6	1	Aug-72	60
and Analytical Theory of The Sun	26	2	Feb-82	171
	13	2	Mar-76	151
	43	1-4	1987-1988	391
Resonance-Orbits in the Elliptic Restricted 3-Body Problem	43	1-4	1987-1988	391
	43	1-4	1987-1988	323
f the Lambert Problem	14	4	Dec-76	509
e for Solving Perturbed Boundary-Value Problems	18	4	Nov-78	371
eld of a Disk	26	4	Apr-82	395
Oblateness of The Earth and by The Planets in oon	26	1	Jan-82	97
tion in the Rotation of the Earth	19	3	Apr-79	215
ter's Comments	24	3	Jul-81	235
Solar System. I.	9	3	May-74	321
n Points in the Generalised Photogravitational of Three Bodies	39	2	1986	159
he Triangular Libration Points for the Photogravitational Problem of Three Bodies under the Resonances urth Order	41	1-4	1987-1988	161
he Triangular LibratiOn Points for the Photogravitational Problem of Three Bodies when Both of the Attracting g as Well	40	2	1987	155
place's Solutions of the Unrestricted n	9	4	Jul-74	471
	6	1	Aug-72	44
	15	1	Feb-77	41
ration Points in the Photo-Gravitational n	35	2	Feb-85	105
riangular Libration Points of the Restricted Circular Three-Body Problem	18	4	Nov-78	395
ination Technique for the Solution of Perturbed n	15	3	Apr-77	327
Generalized Kepler Motion	6	1	Aug-72	52

# Authors

Kustaanheimo, Paul E., and Oja, Heikki

Kwok, Johnny H., and Nacozy, Paul

Kwok, Johnny H., and Nacozy, Paul E.

Kwok, Johnny H., Nacozy, Paul E.

Kyrala, A.

Lacaz, M.H.C.F.

Lacomba, Ernesto A.

Lacomba, Ernesto A.

Lacomba, Ernesto A. >See Carinena, Jose F. 42,1-4

Lacomba, Ernesto A., and Simo, Carles

Lacomba, Ernesto. >See Simo, Carles. 28,1

Lagerkvist, C.I. >See Hahn, Gerhard 43,1-4

Lambeck, K. >See Szeto, A. 27,4

Lambeck, Kurt

Lambeck, Kurt

Lancaster, E.R.

Lancaster, E.R. > See Estes, R.H. 1,3-4

Lancaster, J.E.

Lane, Mark T.

Lange, Benjamin O. >See Mohan, Srinivas N. 5,2

Langlois, M.

Langlois, M.

Langlois, M., and Losco, L.

Laskar, J.

Laskar, J., and Simon, J.L.

Interplanetary Radar Time  
Gravitation

Time Elements in Rectangu

Periodic Orbits of the Ellipt

Sun-Jupiter-Saturn System

Periodic Orbits of the Gener

for the Sun-Jupiter-Saturn

Some New Concepts in the

Stability in the Double Reso

Invariant Sets and Polhodes

Mouvements voisins de coll

trapezoidal des 4 corps (M

in the Trapezoidal 4-Body

Boundary Manifolds for En

Precession, Nutation and th

Earth Satellite Orbits

Ocean Tide Perturbations i

Solution of Lambert's Probl

Invariant Properties of Fan

An Analytical Treatment of

Sur une feduction des equa

3 corps

Proprietes geometriques de

du corps solide a point fix

Euler-Poisson's Equations

about a Fixed Point)

Sur une generalisation des

extension de la transform

Progress in General Planet

Fitting a Line to a Sine

Title	Vol.	Iss.	Date Pub.	Page
Time Delays in Different Theories of	8	1	Aug-73	121
tangular Coordinates	24	3	Jul-81	269
Elliptic Restricted Problem for the	27	1	May-82	27
System				
General Three-Body Problem	35	3	Mar-85	289
Saturn System				
n the n-Body and 3-Body Problems	27	2	Jun-82	167
e Resonance Problem	35	1	Jan-85	9
rhodes in the Rigid Body Problem	21	1	Jan-80	45
le collision quadruple dans le probleme	31	1	Sep-83	23
ps (Motion near a Quadruple Collision				
-Body Problem)				
	42	1-4	1987-1988	201
For Energy Surfaces in Celestial Mechanics	28	1-2	Sep-82	37
	28	1-2	Sep-82	49
	43	1-4	1987-1988	285
	27	4	Aug-82	325
and the Choice of Reference System for Close	7	2	Feb-73	139
ts				
tions in the Orbits of GEOS 1 and GEOS 2	10	2	Oct-74	179
Problem for Short Arcs	2	1	May-70	60
	1	3-4	Feb-70	297
of Families of Moon-To-Earth Trajectories	2	4	Nov-70	481
ent of Resonance Effects on Satellite Orbits	42	1-4	1987-1988	3
	5	2	Mar-72	157
s equations du mouvement du probleme des	21	1	Jan-80	109
ues des equations d'Euler-Poisson	28	1-2	Sep-82	219
int fixe (Geometrical Properties of the				
tations of a Heavy Rigid Body				
)				
n des equations lagrangiennes permettant une	14	1	Aug-76	47
sformation KS				
Planetary Theory (Abstract)	34	1-4	Sep-84	219
ne	43	1-4	1987-1988	37

## Authors

Laskar, Jacques, and Marchal, Christian

Lass, H. >See Broucke, R. 12,3

Lass, H. >See Broucke, R. 14,3

Lass, H. >See Broucke, R. 16,2

Lass, H. >See Broucke, R. 24,1

Lass, H. >See Broucke, R.8,1

Lass, H., and Georgevic, R.M.

Lass, Harry, and Blitzer, Leon

Laub, Alan J., and Meyer, Kenneth

Lautman, D.A.

Lautman, D.A.

Leach, P.G.L. >See Gorrings, V.M. 41,1-4

Lederle, T. >See Davis, M.E. 39,1

Leftaki, M. >See Goudas, C.L. 37,2

Leftaki, M. >See Goudas, C.L. 39,1

Leigemann, Dieter J.

Lemaitre, A.

Lemaitre, A.

Lemaitre, A. >See Henrard, J. 30,2

Lemaitre, A. >See Henrard, J. 38,4

Lemaitre, A., and Henrard, J.

Lemaitre, Anne. >See Henrard, Jacques. 39,3

Leondes, C.T. >See Curkendall, D.W. 8,4

Levinson, David A. >See Hitzl, Donald L. 20,2

Levinson, David A. >See Hitzl, Donald L. 22,3

Lewin, L., and Vagners, J.

Li, Tieshou, and Longman, Richard W.

Lichtenegger, H.

Lidov, M.L., and Ziglin, S.L.

Triple Close Approach in the  
A Limit for the Bounded Or

A Note on Obtaining an App  
Periodic Solution of  $X=-V(x)$   
The Gravitational Potential  
Canonical Forms for Symple  
Perturbations of a Close-Ear  
Reflected from the Earth. I  
Perturbations of a Close-Ear  
Reflected from the Earth. I

A Linear Solution of the Equ  
Satellite Based on a Lie-Se  
High-Order Resonances in th  
Formation of the Kirkwood

The  $3/2$  Resonance

An Asymptotic Solution to a  
Small Divisors  
Optimal Configurations for  
Subject to Gravitational T  
The Dynamics of Bodies wit  
The Analysis of Restricted C  
Problem in the Case of Clo



Title	Vol.	Iss.	Date Pub.	Page
in the Three-Body Problem:	32	1	Jan-84	15
ded Orbits				
	12	3	Nov-75	317
	14	3	Nov-76	383
	16	2	Oct-77	215
	24	1	May-81	63
	8	1	Aug-73	5
n Approximate Value for the Period of A	18	1	Jul-78	3
$(z-V(x))$				
ential Due to Uniform Disks and Rings	30	3	Jul-83	225
ymplectic and Hamiltonian Matrices	9	2	Apr-74	213
se-Earth Satellite Due to Sunlight Diffusely	15	4	Aug-77	387
arth. I: Uniform Albedo				
se-Earth Satellite Due to Sunlight Diffusely	16	1	Sep-77	3
arth. II: Variable Albedo				
	41	1-4	1987-1988	125
	39	1	May-86	103
	37	2	Oct-85	127
	39	1	May-86	57
ne Equations of Motion of an Earth-Orbiting	30	3	Jul-83	309
Lie-Series				
es in the Restricted Three-Body Problem	32	2	Feb-84	109
wood Gaps in the Asteroid Belt	34	1-4	Sep-84	329
	30	2	Jun-83	197
	38	4	Apr-86	335
	43	1-4	1987-1988	91
	39	3	1986	213
	8	4	Jan-74	481
	20	2	Aug-79	179
	22	3	Oct-80	255
on to a Problem Involving Two Simultaneous	14	4	Dec-76	429
ns for Dual-Spin Satellites.	33	4	Aug-84	319
onal Torques				
es with Variable Masses	34	1-4	Sep-84	357
icted Circular Twice-averaged Three Body	9	2	Apr-74	151
of Close Orbits				

## Authors

Lidov, M.L., and Ziglin, S.L.

Lieberman, Burton B.

Lieske, J.H.

Lieske, J.H. >See Davies, M.E. 29,4

Lieske, J.H. >See Davis, M.E. 39,1

Lieske, J.H., Melbourne, W.G., O'Handley, D.A., Holdridge, D.B.,  
Johnson, D.E., and Sinclair, W.S.

Lieske, Jay H.

Lieske, Jay H.

Lieske, L. H.

Liipola, E.L.

Likins, Peter W.

Likins, Peter W., and Roberson, Robert E.

Likins, Peter. >See Ohkami, Yoshiaki. 19,4

Linfield, R.P. >See Muhleman, D.O. 37,3

Lingerfelt, J. >See Mitchell, T.P. 1,2

Lion, Paul M. >See Kornhauser, Alain L. 5,3

Lion, Paul M. >See Kornhauser, Alain L. 5,3

Liu, Han-Shou

Liu, Han-Shou

Liu, Han-Shou

Liu, Han-Shou

Liu, Jie, and Sun, Yi-Sui

Liu, Jong C.

Liu, Joseph J.F., and Fitzpatrick, Philip M.

Llibre, J. >See Gomez, G. 44,3

Llibre, Jaume

Non-Restricted Double-averaging

Existence of Quasi-Periodic Solutions

Early Eclipses of the Galilean Satellites

Simultaneous Solution for the

Analysis of Optical, Radar

Computer-Developed Constraints

Coordinates and Partial Derivatives

Satellites

The Evolution of Adopted Values

Satellite Dynamics (Book Reviews)

On the Differential Geometry of

Particular Emphasis on Keplerian

Point-Connected Rigid Bodies

Matrix Method for the Liapunov

Discrete Mechanical Systems

On the Figure of the Planet

Thermal and Tidal Effect on

A Note on the Instantaneous

Orientation and Resonance in

Elliptic Orbit

Evolution of the Moment of Inertia

in the Field of General Attraction

The Uniqueness of Normal Form

and its Applications to Hamiltonian

Poisson Equations of Rotational

with Application to a Tumbling

On the Restricted Three-Body

when the Mass Parameter is

Title	Vol.	Iss.	Date Pub.	Page
averaged Three Body Problem in Hill's Case	13	4	Jun-76	471
iodic Solutions to the Three-Body Problem	3	4	Jul-71	408
Galilean Satellites	26	3	Mar-82	257
	29	4	Apr-83	309
	39	1	May-86	103
for the Masses of the Principal Planets From Radar, and Radio Tracking Data	4	2	Oct-71	233
Construction of Analytic Expressions for the Partial Derivatives of Jupiter's Galilean	12	1	Aug-75	5
ated Values for Precession	37	3	Nov-85	209
(Book Review)	13	1	Feb-76	121
ometry of Trajectory Deviation with on Keplerian Motion	9	4	Jul-74	483
Bodies in a Topological Tree	11	3	May-75	301
Liapunov Stability Analysis of Cyclic Systems	3	4	Jul-71	491
	19	4	May-79	359
	37	3	Nov-85	329
	1	3-4	Feb-70	289
	5	3	May-72	261
	5	3	May-72	282
Planet Mercury	1	2	Oct-69	144
ect on the Rotation of Mercury	2	1	May-70	4
aneous Rotational Velocity of Mercury	2	1	May-70	123
ance Locks for Satellites in the	6	4	Dec-72	421
ent of Inertia in the Many-Body Problem	44	1-2	1988-1989	117
al Attraction				
ormal forms Via Lie Transforms	36	1	May-85	89
o Hamiltonian Systems				
Rotational Motion for a Rigid Triaxial Body	12	4	Dec-75	463
Tumbling Artificial Satellite				
	44	3	1988-1989	239
ee-Body Problem	28	1-2	Sep-82	83
meter is Small				

## Authors

Llibre, Jaume, and Alfaro, J. Martinez

Llibre, Jaume. >See Gomez, Gerard. 24,4

Long, S.A.T.

Longman, R., Hagedorn, P., and Beck, A.

Longman, Richard

Longman, Richard W. >See Li, Tieshou. 33,4

Losco, L.

Losco, L.

Losco, L.

Losco, L.

Losco, L.

Losco, L.

Losco, L. >See Langlois, M. 14,1

Lounesto, Pertti

Lounesto, Pertti. >See Hestenes, David. 30,2

Louterman, Georges. >See Roels, Jacques. 3,1

Lowrey, Barbara E.

Lubowe, Anthony G.

Lubowe, Anthony G.

Lubowe, Anthony G.

Lubowe, Anthony G., and Jenkins, Robert E.

Lukjanov, L.G.

Lukjanov, L.G.

Lundberg, John, Szebehely, Victor, Nerem, R. Steven, and Beal, Byron

Lutze, Frederick H. Jr., and Abbitt, Matt W. Jr.

Lyddane, R.H. >See Cohen, C.J. 25,3

Ejection and Collision Orbit  
Three-Body Problem

General-altitude Transform  
Coordinates  
Stabilization Due to Gyrosc  
Subject to Gravitational T  
Gravity-Gradient Stabilizat  
with Rotor axes in Princip

Regularisation des Collision  
Le probleme des n corps et  
Nouvelle etude de la collision  
Les systemes langrangiens  
Sur une etude de stabilite p  
(On a Study of Stability b  
Sur un theoreme de stabilite  
(On a Theorem of Stability

Lie Groups of Motor Integr

Ephemeris of a Highly Ecc  
How Critical is the Critical  
Response to Garfinkel's Co  
is the Critical Inclination  
Calculation of Oblateness I  
Numerical Verification of A  
Perturbations Due to an A  
of the Geopotential  
Some Asymptotic Solutions  
A Study of Asymptotic Solu  
Libration Points of the Re  
Surfaces of Zero Velocity in  
Rotational Locks for near-S



## Authors

Lyddane, R.H., Cohen, and Charles J.

Maciejewski, Andrzej J.

Madden, Stephen J. Jr.

Magenat, P.

Magenat, P. >See Contopoulos, G. 37,4

Magenat, P. >See Martinet, L. 25,1

Magenat, Pierre

Majorana, Armando

Manju, and Choudhry, R. K.

Marcal, C., and Rannou-Montigny, F.

Marchal, C.

Marchal, C.

Marchal, C.

Marchal, C., Yoshida, J., and Yi-Sui, Sun

Marchal, Christian

Marchal, Christian, and Bozis, George

Marchal, Christian, and Saari, Donald G.

Marchal, Christian, Yoshida, Junzo, and Yi-Sui, Sun

Marchal, Christian. >See Laskar, Jacques. 32,1

Marciniak, Andrzej

Marciniak, Andrzej. >See Albrycht, Jerzy. 24,4

Markeev, A.P. >See Zlatoustov, V.A. 7,1

Markellos, V.V.

The Low-Eccentricity Earth

Inclination

Hamiltonian Formalism for

A Separable Potential in Tri

Satisfying the Laplace Equ

Numerical Study of Periodic

System with Three Degree

On the Number of Effective

On a Four-Body Problem

On the Stability of Triangul

the Light Pressure for the

of Three Bodies

A Small Example of Arnold

Etude topologique generale

conservatives (independan

application a La Mecaniqu

The Quasi Integrals

On the Quasi-integrable Pr

Satellites Perturbed by th

Three-Body Problem

Sufficient Conditions for Hy

'Ejection Without Escape'

Hill Stability and Distance

Problem

Hill Regions for the Genera

A Test of Escape Valid Ever

The Acceleration and the

Arbitrary Order Numerical

in the Motion near the Eq

Numerical Investigation of

Problem. I. Periodic Orbit

Sun-Jupiter System

Title	Vol.	Iss.	Date Pub.	Page
Earth Satellite Orbit at The Critical	18	3	Oct-78	233
ism for Euler Parameters	37	1	Sep-85	47
in Triaxially Ellipsoidal Coordinates	2	2	Jul-70	217
ce Equation				
eriodic Orbit Properties in a Dynamical	28	3	Nov-82	319
Degrees of Freedom	37	4	Dec-85	387
	25	1	Sep-81	93
ective Integrals in Galactic Models	35	4	Apr-85	329
lem	25	3	Nov-81	267
Angular LibratiOn Points Taking into account	36	2	Jun-85	165
or the Circular Restricted Problem				
Arnold Diffusion	43	1-4	1987-1988	177
nerale des equations differentielles	4	3-4	Dec-71	406
endantes du temps ou periodiques).				
canique Celeste	21	2	Feb-80	183
ble Prolems. The Example of the Artificial	38	4	Apr-86	377
by the Earth's Zonal Harmonics	34	1-4	Sep-84	65
for Hyperbolic-Elliptic Escape and for	9	3	May-74	381
'escape' in the Three-Body Problem				
tance Curves for The General Three-Body	26	3	Mar-82	311
General Three-Body Problem	12	2	Sep-75	115
d Even for Very Small Mutual Distances.	33	3	Jul-84	193
d the Escape Velocities of the Third Body	32	1	Jan-84	15
merical Solutions Conserving the Jacoby Constant	40	2	1987	95
he Equilibrium Points	24	4	Aug-81	391
	7	1	Jan-73	31
ion of the Planar Restricted Three-Body	9	3	May-74	365
Orbits of the Second Generation in the				

# Authors

Markellos, V.V.

Markellos, V.V.

Markellos, V.V.

Markellos, V.V.

Markellos, V.V.

Markellos, V.V. >See Robin, I.A. 21,4

Markellos, V.V. >See Zagouras, C. 35,3

Markellos, V.V. >See Perdios, E. 42,1-4

Markellos, V.V., and Szebehely, V.

Markellos, V.V., and Kazantzis, P.G.

Markellos, V.V., and Roy, A.E.

Markellos, V.V., and Zagouras, C.G.

Markellos, V.V., Black, W., and Moran, P.E.

Markellos, V.V., Klimopoulos, S., and Goudas, C.

Markellos, V.V., Klimopoulos, S., and Halioulas, A.A.

Marsden, B.G.

Marsden, Brian G.

Marsden, Brian G.

Marsh, E.L. >See Kane, T.R. 4,1

Marsh, J.G. >See Douglas, B.C. 10,2

Marsh, J.G. >See Douglas, B.C. 7,2

Marsh, J.G., and Douglas, B.C.

Marsh, James G. >See Douglas, Bruce C. 1,3-4

Martin, Chreston F. >See Douglas, Bruce C. 1,2

Martinet, L., Magnenat, P., and Verhulst, F.

Martinez, Regina. >See Simo, Carlos. 41,1-4

Numerical Investigation of

II. Regions of Stability for

Determined by Periodic Or

Numerical Investigation of

Problem. III: Closed Bran

Orbits of the Elliptic Probl

The Three-Dimensional Gen

of Periodic Orbits

Bifurcations of Planar to Th

the General Three-Body P

Three-Dimensional Periodic

around Collinear Equilibri

Approximations of Satellite

Three-Dimensional Branchi

Hill Stability of Satellite Or

On Periodic Orbits of the Se

Stability

A Grid Search for Families

Problem of Three Bodies

Periodic Motions in the Me

Periodic Motions in the Me

Cometary Motion

The Minor Planet Center

Coordination of Minor Plan

Tests and Comparisons of C

On The Number of Isolating

with 3 Degrees of Freedom



Title	Vol.	Iss.	Date Pub.	Page
on of the Planar Restricted Three-Body Problem.	10	1	Aug-74	87
ty for Retrograde Satellites of Jupiter as				
idic Orbits of the Second Generation				
on of the Planar Restricted Three-Body	12	2	Sep-75	215
Branches of Family f and Related Periodic				
Problem				
al General Three-Body Problem: Determination	21	3	Apr-80	291
r to Three-Dimensional Periodic Orbits in	25	1	Sep-81	3
ody Problem				
eriodic Motion of Three Finite Masses	25	4	Dec-81	319
uilibrium Configurations				
	21	4	May-80	395
	35	3	Mar-85	257
	42	1-4	1987-1988	187
ellite Stability	24	2	Jun-81	183
ranchings of Plane Periodic Solutions	15	1	Feb-77	35
ite Orbits	23	3	Mar-81	269
the Second Generation and Regions of	16	1	Sep-77	123
inilies of Periodic Orbits in the Restricted	9	4	Jul-74	507
idies				
ne Meridian Plane of a Magnetic Dipole, II	17	3	Apr-78	233
ne Meridian Plane of a Magnetic Dipole, I	17	3	Apr-78	215
	9	3	May-74	303
nter	22	1	Jul-80	63
r Planet Studies: Past, Present and Future	37	3	Nov-85	339
	4	1	Sep-71	78
	10	2	Oct-74	165
	7	2	Feb-73	195
ns of Gravity Models	4	3-4	Dec-71	309
	1	3-4	Feb-70	479
	1	2	Oct-69	252
olating Integrals in Resonant Systems	25	1	Sep-81	93
reedom				
	41	1-4	1987-1988	179

## Authors

Martinova, N.F.

Masdemont, J. >See Gomez, J. 44,3

Masursky, H. >See Davies, M.E. 22,3

Matas, Vladimir

Matas, Vladimir Robert

Matese, John J. >See Whitman, Patrick G. 36,1

Matulich, A., and Miller, B.N.

Mavraganis, A. >See Kalvouridis, T. 37,2

Mavraganis, A. >See Kalvouridis, T. 35,4

Mavraganis, A. G.

Mavraganis, A., and Pangalos, C.

Mavraganis, A.G.

Mavraganis, A.G.

Mavraganis, A.G. >See Kalvouridis, T.J. 40,2

Mayo, Alton P.

McArthur, B.E. >See Jefferys, W.H. 41,1-4

McCarthy, D.G. >See Johnston, K. 22,2

McDonald, A.J.C. >See Simmons, J.F.L. 35,2

McDonald, Alastair J. C.

Mckenzie, R. >See Szebehely, V. 18,4

Mckenzie, R. >See Szebehely, V. 23,1

Mckenzie, R. >See Szebehely, V. 23,2

Mckenzie, R., and Szebehely, V.

Mehl, M. >See Chapront, J. 11,3

Meire, R.

Melbourne, W.G. >See Lieske, J.H. 4,2

Melchior, P.

Melis, A., and Piras, B.

Melis, A., and Piras, B.

Application of the Jacobi Int  
Satellite Librations around  
Field

A Geometric Property of Hil  
A Note on A Separation of th  
in the Elliptic Restricted P

Gravity in One Dimension:

Global Regularization of the  
La periodicite et la symetrie  
magnetique-binaire  
The Equilibrium State in Th  
Massive Primary is an Obl  
Local Regularization of the

Analytical Method for the E  
Planetary Orbits

On the Occurrence of near

Non-Linear Stability around

The Stability of The Triang  
Problem

Precession-Nutations and T  
An Extension of Szebehely's  
An Observation on the inve

Title	Vol.	Iss.	Date Pub.	Page
obi Integral for the Investigation of around the Centre of Mass in a Gravitational	13	3	May-76	363
	44	3	1988-1989	239
	22	3	Oct-80	205
of Hill's Curves	17	2	Feb-78	193
on of the Linearized Equations of Motion	27	1	May-82	23
ected Problem				
	36	1	May-85	71
ision: Stability of a Three Particle System	39	2	1986	191
	37	2	Oct-85	161
	35	4	Apr-85	397
of the Magnetic-Binary Problem	42	1-4	1987-1988	169
metrie du mouvement equatorial au probleme	41	1-4	1987-1988	371
e in The Magnetic-Binary Problem when the More	23	3	Mar-81	287
an Oblate Spheroid				
of the Magnetic-Binary Problem	30	3	Jul-83	219
	40	2	1987	177
the Effects of the Asteroid Belt on	19	4	May-79	317
	41	1-4	1987-1988	39
	22	2	Jul-80	143
	35	2	Feb-85	145
near Syzygies in the Solar System	38	2	Feb-86	139
	18	4	Nov-78	391
	23	1	Jan-81	3
	23	2	Feb-81	131
around the Triangular Libration Points	23	3	Mar-81	223
	11	3	May-75	379
Triangular Points in The Elliptic Restricted	23	1	Jan-81	89
	4	2	Oct-71	233
and Tidal Potential	4	2	Oct-71	190
ehely's Problem to Holonomic Systems	32	1	Jan-84	87
e inverse Extended Problem of Szebehely	36	1	May-85	83

## Authors

Melvin, Peter J.

Merman, G. A.

Merman, G.A.

Mersman, William A.

Mersman, William A.

Message, P. J.

Message, P.J.

Message, P.J.

Message, P.J.

Message, P.J.

Message, P.J.

Message, P.J.

Meyer, K.R.

Meyer, K.R., and Schmidt, D.S.

Meyer, Kenneth R.

Meyer, Kenneth R.

Meyer, Kenneth R., and Schmidt, Dieter S.

Meyer, Kenneth. >See Laub, Alan J. 9,2

Michaelidis, P. >See Contopoulos, G. 22,4

Michalodimitrakis, M.

Michalodimitrakis, M. >See Chapsiadis, A. 41,1-4

Mignard, F.

Mignard, F.

Comments on the Summation

Evaluation Theories of Dep

Sur les petits diviseurs. I. (O

Les series de v. Zeipel [On

The v. Zeipel's Series]

Sur les petits diviseurs. I: la

modifiees et les solutions q

(On The Small Divisors. I:

Zeipel's Series and the Res

A New Algorithm for the Li

Explicit Recursive Algorith

Canonical Transformation

Normal Co-Ordinates and A

in Celestial Mechanics

On Linear Equations of Var

A Problem in Resonance (ab

On the Existence of Periodi

in the General Problem of

Asymptotic Series for Plane

in Three Dimensions

On the Existence of Periodic

in the General Problem of

The Stability of Our Solar S

Normal Forms for Hamilton

Periodic Orbits near L4 for

Ratio of Routh

Periodic Orbits near Infini

Bifurcation of a Central Co

The Determination of the D

On the Continuation of Per

Three-Dimensional Gener

Multipole Expansion of the

Stability of L4 and L5 again

Title	Vol.	Iss.	Date Pub.	Page
Information of Spherical Harmonics in the Geopotential	35	4	Apr-85	345
of Deprit and Others				
s. I. (Complement).	36	2	Jun-85	123
el (On the Small Divisors. I. (Complement).				
u]				
s. I: la convergence des series de Zeipel	27	3	Jul-82	225
sions quasi-periodiques resonantes				
ors. I: The Convergence of the Modified				
he Resonant Quasi-Periodic Solutions)				
the Lie Transformation	3	1	Dec-70	81
gorithms for the Construction of Equivalent	3	3	Apr-71	384
nations				
and Asymptotic Expansions in Resonance Cases	43	1-4	1987-1988	119
cs				
of Variation in Dynamical Problems	2	3	Oct-70	360
nce (abstract)	8	2	Sep-73	217
periodic Solutions of Poincare's Second Sort	21	1	Jan-80	55
tem of Three Bodies Moving in a Plane				
Planetary Motion in Periodic Terms	26	1	Jan-82	25
periodic Solutions of Poincare's Third Sort	28	1-2	Sep-82	107
tem of Three Bodies in Three Dimensions				
Solar System	34	1-4	Sep-84	155
miltonian Systems	9	4	Jul-74	517
A for Mass Ratios near the Critical Mass	4	1	Sep-71	99
Infinity in the Restricted N-Body Problem	23	1	Jan-81	69
ral Configuration	40	3-4	1987	273
'the Derivatives in Brown's Lunar Theory	28	1-2	Sep-82	201
	9	2	Apr-74	213
	22	4	Nov-80	403
of Periodic Orbits from the Planar to the	19	3	Apr-79	263
General Three-Body Problem				
	41	1-4	1987-1988	53
of the Tidal Potential	18	3	Oct-78	287
S against Radiation Pressure	34	1-4	Sep-84	275

# Authors

Mignard, F., and Henon, M.

Mihaila, Ieronim

Mikkilineni, R.P. >See Feagin, T. 13,4

Mikkola, Seppo

Milani, A. >See Anselmo, L. 29,1

Milani, A. >See Henrard, J. 38,4

Milani, A., and Nobili, A.M.

Milani, Andrea, and Nobili, Anna M.

Milani, Andrea, and Nobili, A.M.

Milani, Andrea, and Nobili, Anna M.

Milani, Andrea, and Nobili, Anna M.

Milani, Andrea, and Nobili, Anna M.

Milani, Andrea. >See Carpino, Mario. 39,1

Miller, B.N. >See Matulich, A. 39,2

Miller, Bruce R. >See Coffey, Shannon L. 39,4

Miller, R. H.

Milnes, Harold Willis

Mioc, Vasile. >See Horedt, Georgpaul. 13,4

Misra, A.K., and Modi, V.J.

Mistretta, G.D. >See Watson, J.S. 11,1

Mitchell, T.P., and Lingerfelt, J.

Mitchell, Thomas P.

Mitchell, Thomas P.

Mittleman, Don, and Jezewski, Don

Modi, V.J. >See Barkham, P.G.D. 14,4

Modi, V.J. >See Barkham, P.G.D. 15,1

Modi, V.J. >See Misra, A.K. 17,2

Modi, V.J. >See Van Der Ha, J.C. 19,2

Modi, V.J., and Neilson, J.E.

Modi, V.J., and Pande, K.C.

Mohan, Srinivas N., Breakwell, John V., and Lange, Benjamin O.

Molnar, Sandor

Moons, M.

About an Unsuspected Inte

On the Velocity Distribution

A Cubic Approximation for

Resonant Structure of the

On Topological Stability in

Integration Error over Very

On the Stability of Hierarch

Resonant Structure of the

Instability of the 2 + 2 Body

Recent Investigations on D

Motion of a Satellite in the

The Influence of Satellite F

The Librational Dynamics

Vector Constants of the Mo

of Force

Perturbation of the Vectori

An Analytic Solution to the

On the Periodic Solutions

Gradient System

On the Periodic Solutions

in near-Circular Orbits

Interaction between Attitu

Rigid Body in a near Kep

Applications of Szebehely's

Physical Libration of the M

Title	Vol.	Iss.	Date Pub.	Page
and Integrable Problem	33	3	Jul-84	239
distribution of the Minor Planets and Stars	10	3	Nov-74	345
	13	4	Jun-76	491
on for Kepler's Equation	40	3-4	1987	329
	29	1	Jan-83	37
	38	4	Apr-86	335
of the Outer Asteroid Belt	34	1-4	Sep-84	343
stability in the General Three-Body Problem	31	3	Nov-83	213
for Very Long Time Spans	43	1-4	1987-1988	1
hierarchical Four-Body Systems	31	3	Nov-83	241
of the Outer Solar System	35	3	Mar-85	269
2 Body Problem	41	1-4	1987-1988	153
	39	1	May-86	1
	39	2	1986	191
	39	4	1986	365
s on Disk Galaxies in Massive Halos	37	3	Nov-85	307
in the Equatorial Plane of a Spheroid	7	3	Apr-73	295
	13	4	Jun-76	421
ellite Flexibility on Orbital Motion	17	2	Feb-78	145
	11	2	Mar-75	145
amics of Deformable Bodies	1	3-4	Feb-70	289
the Motion in Spherically Symmetric Fields	17	3	Apr-78	259
Vectorial Elements of Non-Keplerian Orbits	23	2	Feb-81	139
to the Classical Two-Body Problem with Drag	28	4	Dec-82	401
	14	4	Dec-76	465
	15	1	Feb-77	5
	17	2	Feb-78	145
	19	2	Feb-79	113
tions of Slowly Spinning Gravity	5	2	Mar-72	126
tions and Resonance of Spinning Satellites	11	2	Mar-75	195
bits				
Attitude Libration and Orbital Motion of a	5	2	Mar-72	157
ar Keplerian Orbit of Low Eccentricity				
ehely's Equation	25	1	Sep-81	81
f the Moon	26	2	Feb-82	131

## Authors

Moons, M.

Moons, M., Delhase, F., and Depaepe, E.

Moore, P.

Moore, P.

Moore, P.

Moore, P.

Moran, P.E.

Moran, P.E. >See Markellos, V.V. 9,4

Moran, P.E. >See Roy, A.E. 6,4

Moran, P.E. >See Roy, A.E. 7,2

Moran, P.E., Roy, A.E., and Black, W.

Morando, B. >See Davies, M.E. 22,3

Morrison, Frster

Morrison, Foster

Morton, B. G., and Taff, L.G.

Morton, Harold S. Jr., Junkins, John L., Blanton, and Jeffrey N.

Moser, J.

Moyer, Theodore D.

Moyer, Theodore D.

Muhleman, D. O., Berge, G.L., Rudy, D.J., Niell, A.E.,

Mulholland, J. Derral

Mulholland, J. Derral

Mulholland, J. Derral

Mulholland, J. Derral

Mulholland, J. Derral

Mulholland, J. Derral. >See Shelus, Peter J. 12,1

Mullins, L.D., and Bartlett, J.H.

Planetary Perturbations on

Elliptical Hill's Problem (La

Orbitally Stable Multistep M

Perturbations of a Spheroid

Radiation Pressure

A Resonance Problem of Tw

A Problem of Libration with

Studies in the Application o

Perturbation Methods. II.

Methods of Integration in t

Studies in the Application o

Perturbation Methods

Modification of an Equation

Modification of an Equation

A New Method of initial Or

Analytical Solutions for Eul

On the Boundedness of the

of the Stormer Problem

Transformation from Proper

Solar System Barycentric S

Transformation from Proper

Solar System Barycentric S

Precise Position Measureme

and Uranus Systems with

Meeting Report: BSRL/JPL

Investigation of the Hydrod

of Three Bodies

Numerical Isolation of Flaw

Linear Change of Variable i

On the Polar Moment of Ine

Global Stability and the Res



Title	Vol.	Iss.	Date Pub.	Page
ns on the Libration of the Moon	34	1-4	Sep-84	263
m (Large and Small Impact Parameters)	43	1-4	1987-1988	349
step Methods	17	3	Apr-78	281
neroidal Satellite Due to Direct Solar	20	2	Aug-79	125
of Two Degrees of Freedom	30	1	May-83	31
n with Two Degrees of Freedom	33	1	May-84	49
tion of Recurrence Relations to Special	7	1	Jan-73	122
ds. II. Comparison of the Encke and Cowell				
on in the Restricted Three-Body Problem				
	9	4	Jul-74	507
	6	4	Dec-72	468
	7	2	Feb-73	236
tion of Recurrence Relations to Special	8	3	Nov-73	405
ds				
	22	3	Oct-80	205
uation of Szebehely	16	2	Oct-77	227
uation of Szebehely	16	1	Sep-77	39
ial Orbit Determination	39	2	1986	181
or Euler Problem	10	3	Nov-74	287
of the Solution and the Singularity	2	3	Oct-70	334
em				
Proper Time on Earth to Coordinate Time in	23	1	Jan-81	33
ntric Space-Time Frame of Reference (Part 1)				
Proper Time on Earth to Coordinate Time in	23	1	Jan-81	57
ntric Space-Time Frame of Reference (Part 2)				
urements of Jupiter, Saturn	37	3	Nov-85	329
s with the Very Large array				
L/JPL Seminar on the Lunar Motion	1	1	Jun-69	127
ydrodynamic Analogy in the Restricted Problem	1	3-4	Feb-70	320
f Flaws in the Lunar Theory	6	2	Sep-72	242
iable in Normal Systems	7	3	Apr-73	384
of Inertia of a Compressible Body	22	1	Jul-80	57
	12	1	Aug-75	57
he Restricted 3-Body Problem	7	4	Jun-73	421

## Authors

Mullins, N.E. >See Douglas, B.C. 7,2

Murdock, J.A.

Murdock, James

Murdock, James. >See Robinson, Clark. 24,1

Murigande, Charles. >See Henrard, Jacques. 40,3-4

Murphy, James P. >See Giacaglia, Giorgio E. 3,1

Murray, C. D.

Murray, C.A.

Murray, C.D. >See Henrard, J. 38,4

Musen, P., and Eades, J.B.

Musen, Peter

Musen, Peter

Musen, Peter

Musen, Peter

Musen, Peter, and Estes, Ronald

Musen, Peter, and Felsentreger, Theodore

Nacozy, P.E., and Dallas, S.S.

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul

Some Mathematical Aspects

A Unified Treatment of Some

in Perturbation Theory: L

and Arbogast's Rule

A Note on Le Verrier's Expre

Positional Astronomy at the

Introduction to Orbital Mec

A Discussion of Hill's Metho

and its Application to the l

Effects in Non-Singular Ve

On a Transformation of the

the Lunar Theory

The Influence of the Great i

Function of the Planetary

On the Tidal Effects in the

On the Determination of th

Elements of Artificial Ear

The Geopotential in Nonsin

A Discussion of Time Trans

Numerical Aspects of Time

The Intermediate Anomaly

A Review of the Motion of F

Raynor L. Duncombe (ed.),

(Book Review)

Victor G. Szebehely (ed.) In

(Book Review)

E.M. Gaposhkin and B. Kol

Systems for Earth Dynam

O. Calame (ed.), High-Preci

and Earth-Moon Dynamic

Victor G. Szebehely (ed.), A

Title	Vol.	Iss.	Date Pub.	Page
	7	2	Feb-73	195
Aspects of Spin-Orbit Resonance	18	3	Oct-78	237
of Some Expansion Procedures	30	3	Jul-83	283
Theory: Lie Series, Paa Di Bruno Operators,				
	24	1	May-81	83
	40	3-4	1987	345
	3	1	Dec-70	3
s Expansion of the Disturbing Function	36	2	Jun-85	163
at the Royal Greenwich Observatory	22	2	Jul-80	139
	38	4	Apr-86	335
al Mechanics (Book Review)	5	4	Jul-72	512
Method of Secular Perturbations	2	1	May-70	41
o the Determination of the Zero-Rank				
lar Vectorial Elements of a Planetary Motion				
of the Differential Equations of	3	3	Apr-71	289
	3	3	Apr-71	
Great inequality on the Secular Disturbing	4	3-4	Dec-71	378
etary System				
n the Motion of Artificial Satellites	6	1	Aug-72	4
n of the Long Period Tidal Perturbations in the	7	2	Feb-73	256
al Earth Satellites				
Nonsingular Orbital Elements	15	4	Aug-77	453
Transformations and Local Truncation Errors	13	4	Jun-76	495
Time Elements	14	1	Aug-76	129
omaly	16	3	Nov-77	309
on of Pluto	22	1	Jul-80	19
(ed.), Dynamics of the Solar System	23	2	Feb-81	199
(ed.) Instabilities in Dynamical Systems	24	3	Jul-81	329
B. Kolaczek (eds.), Reference Coordinate	27	1	May-82	107
Dynamics (Book Review)				
-Precision Earth Rotation	30	4	Aug-83	423
namics				
(ed.), Applications of Modern Dynamics	30	4	Aug-83	424

## Authors

Nacozy, Paul

Nacozy, Paul

Nacozy, Paul E.

Nacozy, Paul E.

Nacozy, Paul E. >See Kwok, Johnny H. 27,1

Nacozy, Paul E. >See Kwok, Johnny H. 35,3

Nacozy, Paul E., and Diehl, Roger E.

Nacozy, Paul E., and Diehl, Roger E.

Nacozy, Paul E., and Diehl, Roger E.

Nacozy, Paul, and Szebehely, Victor

Nacozy, Paul. >See Feagin, Terry. 29,2

Nacozy, Paul. >See Kwok, Johnny H. 24,3

Nahon, F.

Nahon, F.

Nahon, Fernand

Nakai, H. >See Kinoshita, H. 26,2

Nakai, H. >See Kinoshita, H. 34,1-4

Nakai, Hiroshi >See Kinoshita, Hiroshi 42,1-4

Nakai, Hiroshi, and Kinoshita, Hiroshi

Nakhla, Atef. >See Bozis, George. 38,4

Neilson, J.E. >See Modi, V.J. 5,2

Neiman, Y.Y.

Nerem, R. Steven. >See Lundberg, John. 36,2

Neutsch, Wolfram, and Kallrath, J.

Nezhinskij, E. M.

Ng, Edward W. >See Krogh, Fred T. 26,4

Ng, Edward, W.

Niell, A.E. >See Muhleman, D.O. 37,3

Patrick a. Wayman (ed.), T

Astronomical Union, Vol. 2

W. Fricke and G. Teleki (ed)

A Discussion of Long-Term

Jupiter-Saturn-Sun System

Time Elements in Keplerian

On the Long-Term Motion of

A Discussion of the Solution

Long-Term Motion of Resonant

Eccentricity and Inclination

The Computation of Relative

Trajectoire rectilignes du p

constante des forces vives

La transformation de Lyap

interpretation dynamique

Equation and his Dynamical

Les equations aux variations

des N corps

Secular Perturbations of A

Some Fundamental Elements

Area-preserving Poincaré

The Central Drop Configuration

A General Algorithm for the

Elliptic Orbits

Title	Vol.	Iss.	Date Pub.	Page
(ed.), Transactions of the International Vol. XVIII(a) (Book Review)	32	4	Apr-84	389
aki (eds.), Sun and Planetary System	33	3	Jul-84	295
Term Numerical Solutions of the System	16	1	Sep-77	77
plerian Orbital Elements	23	2	Feb-81	173
	27	1	May-82	27
	35	3	Mar-85	289
otion of Pluto	8	4	Jan-74	445
olution for the Motion of Pluto	17	4	May-78	405
Resonant Satellites with Arbitrary Inclination	27	4	Aug-82	375
Relative Motion with Increased Precision	13	4	Jun-76	449
	29	2	Feb-83	107
	24	3	Jul-81	269
s du probleme des 3 corps, lorsque la vives est nulle	8	2	Sep-73	169
Lyapunov de l'equation de Hill et son mique (The Lyapunov Transformation of Hill's ynamic Interpretation)	28	1-2	Sep-82	233
riations et la 11e integrale du problemes	14	1	Aug-76	39
	26	2	Feb-82	169
	34	1-4	Sep-84	203
	42	1-4	1987-1988	279
s of Asteroids in Secular Resonance	36	4	Aug-85	391
	38	4	Apr-86	357
	5	2	Mar-72	126
Elements of Universe Mechanics	5	1	Jan-72	55
	36	2	Jun-85	191
care Mappings of the Unit Disk nfigurations	43	1-4	1987-1988	185
	35	4	Apr-85	383
	26	4	Apr-82	395
for the Solution of Kepler's Equation for	20	3	Oct-79	243
	37	3	Nov-85	329

## Authors

- Niimi, Y.
- Nobili, A.M. >See Anselmo, L. 29,1
- Nobili, A.M. >See Milani, A. 34,1-4
- Nobili, A.M. >See Milana, Andrea 43,1-4
- Nobili, Anna M. >See Carpino, Mario. 39,1
- Nobili, Anna M. >See Milani, Andrea. 31,3
- Nobili, Anna M. >See Milani, Andrea. 31,3
- Nobili, Anna M. >See Milani, Andrea. 35,3
- Nobili, Anna M. >See Milani, Andrea. 41,1-4
- Noguera, Miguel. >See Gomez, Gerard. 35,3
- North, R.D. >See Griffith, J.S. 8,4
- Nugeyre, J.B., and Bouvier, P.
- Nunes, A. >See Casasayas, J. 42,1-4
- Nutotio, V.S.
- O'Handley, D.A. >See Lieske, J.H. 4,2
- O'Mathuna, Diarmuid
- Odell, A. W., and Gooding, R.H.
- Odell, A.W. >See Gooding, R.H. 44,3
- Oesterwinter, C.
- Oesterwinter, Claus
- Oesterwinter, Claus, and Cohen, Charles J.
- Oesterwinter, Claus. >See Cohen, C.J. 7,4
- Ohkami, Yoshiaki, and Likins, Peter
- Oja, Heikki >See Kustaanheimo, Paul E. 8,1
- Oliva, W.M.
- Olle, Mercel. >See Gomez, Gerard. 39,1
- Olszewski, Jacek
- Osipov, Yu. S.
- Ovenden, Michael W., Feagin, Terry, and Graf, Otis
- Owen, T.C. >See Davies, M.E. 22,3
- Owens, Joyce. >See Walker, M.J.H. 36,4
- Motion of Mars 1935-1976
- Formal Aspects of Possible I
- Interplanetary Radar Time
- Gravitation
- Satellite Prediction Formula
- Procedures for Solving Kepl
- Orbit and Rotation of the M
- The Motion of a Lunar Satel
- New Orbital Elements for M
- Eigenvalues and Eigenvecto
- Motion for Flexible Spacec
- Lagrangian Systems on Mar
- On the Practical Stability of
- Restricted Three-Body
- The Kepler Problem and Ge
- Curvature
- On the Principle of Least It
- Satellites of Jupiter and U

Title	Vol.	Iss.	Date Pub.	Page
1976	26	2	Feb-82	179
	29	1	Jan-83	37
	34	1-4	Sep-84	343
	43	1-4	1987-1988	1
	39	1	May-86	1
	31	3	Nov-83	213
	31	3	Nov-83	241
	35	3	Mar-85	269
	41	1-4	1987-1988	153
	35	3	Mar-85	235
	8	4	Jan-74	473
ossible Hierarchies Within a Stellar System	25	1	Sep-81	51
	42	1-4	1987-1988	129
Time Delay in an Arbitrary Theory of	10	4	Dec-74	399
	4	2	Oct-71	233
ormulae for Vinti's Model	1	3-4	Feb-70	467
y Kepler's Equation	38	4	Apr-86	307
	44	3	1988-1989	267
the Moon by Numerical Integration	26	2	Feb-82	143
Satellite	1	3-4	Feb-70	368
s for Moon and Planets	5	3	May-72	317
	7	4	Jun-73	438
nvectors for Hybrid Coordinate Equations of	19	4	May-79	359
pacecraft	8	1	Aug-73	121
n Manifolds, I	1	3-4	Feb-70	491
	39	1	May-86	33
ility of the Triangular Points in the	4	1	Sep-71	3
ly				
nd Geodesic Flows in Spaces of Constant	16	2	Oct-77	191
ast Iteration Action and the Laplacean	8	4	Jan-74	455
and Uranus	22	3	Oct-80	205
	36	4	Aug-85	409

## Authors

Palmore, Julian I.

Palmore, Julian I.

Palmore, Julian I.

Palmore, Julian I.

Palmore, Julian I.

Palmore, Julian. >See Deprit, Andre 1,2

Pande, K.C.

Pande, K.D. >See Modi, V.J. 11,2

Pangalos, C. >See Kalvouridis, T. 37,2

Pangalos, C. >See Mavraganis, A. 41,1-4

Papadakis, K. E. > See Ioakimidis, N. I. 35,4

Papadakis, D.N.

Papageorgiou, G., Simons, Th., and Tsitouras, Ch.

Papp, K.A., Innanen, K.A., and Patrick, A.T.

Papp, K.A., Innanen, K.A., and Patrick, A.T.

Pascal, Madeleine

Pascal, Madeleine

Pascal, Madeleine

Pascal, Madeleine

Pascal, Madeleine

Pascal, Madeleine

Pascal, Madeleine

Pascal, Madeleine. >See Degraeve, Jean. 24,3

Pascual-Broncano, P.J. >See Gonzalez-Gascon, F. 33,1

Patnaik, Ras B.

Relative Equilibria and the V

Central Configurations and R

Problem in E4

Saari's Conjecture Revisited

Intrinsic Variational Equatio

with N Degrees of Freedom

Collinear Relative Equilibria

Parametric Excitation of Hig

Generalized F and G Series a

Solution to N-Body Problem

Some New Runge-Kutta Meth

and Their Application to the

A Comparison of Five Algorit

in Galaxy Models

A Comparison of Five Algorit

in Galaxy Models

Probleme des trois corps appl

Sur la recherche des mouvem

ayant des variables cyclique

A Note on the Correspondenc

and Redundant Variables in

An Asymptotic Solution for th

Three-Body Problem

Attitude Equilibria of Dual S

to Gravitational Torques of

Numerical Investigation of a

of Dual Spin Satellites

Dynamics Analysis of a Syste

The Problem of Escape in the



Title	Vol.	Iss.	Date Pub.	Page
the Virial Theorem	19	2	Feb-79	167
and Relative Equilibria in the n-Body	21	1	Jan-80	21
visited	25	1	Sep-81	79
equations for Conservative Dynamical Systems	27	2	Jun-82	151
edom				
ilibria of the Planar N-Body Problem	28	1-2	Sep-82	17
	1	2	Oct-69	150
of High Altitude Gravity Gradient Satellite	29	2	Feb-83	101
	11	2	Mar-75	195
	37	2	Oct-85	161
	41	1-4	1987-1988	371
	35	4	Apr-85	305
series and Convergence of the Power Series	30	3	Jul-83	275
problem				
a Methods with Interpolation Properties	44	1-2	1988-1989	167
to the Magnetic-Binary Problem				
Algorithms for Numerical Orbit Computation	18	3	Oct-78	277
Algorithms for Numerical Orbit Computation	21	4	May-80	337
es applique a un gyrost	11	3	May-75	319
ouvements stationnaires dans les systemes	12	3	Nov-75	337
reliques				
endence between Mathieu's Transformations	24	1	May-81	27
bles in Lagrangian Mechanics				
n for the Stellar Case of the Planet	24	1	May-81	53
Dual Spin Satellites Subject	36	4	Aug-85	319
ues of n Bodies				
n of all Possible Equilibria	37	1	Sep-85	81
s				
a System of Hinge-Connectd Flexible Bodies	41	1-4	1987-1988	253
	24	3	Jul-81	289
	33	1	May-84	85
in the n-Body System	12	3	Nov-75	383

## Authors

Patrick, A.T. >See Papp, K.A. 18,3

Patrick, A.T. >See Papp, K.A. 21,4

Patton, Jon M.

Paul, M.K.

Pauwels, Thierry

Perdios, E., and Markellos, V.V.

Perezhogin, A.A. >See Kunitsyn, A.L. 18,4

Perko, L.M.

Perko, L.M.

Perko, L.M.

Perko, L.M.

Perko, L.M. >See Breakwell, J.V. 9,4

Pernicka, H.J. >See Howell K.C. 41,1-4

Perozzi, E. >See Carusi, A. 43,1-4

Perozzi, Ettore

Peters, C. Frederick

Peters, C. Frederick

Petit, Jean-Marc. >See Henon, Michel. 38,1

Petrosky, T. Y., and Broucke, R.

Petrovskaya, M.S.

Petrovskaya, M.S.

Petrovskaya, M.S.

Petrovskaya, M.S. >See Hotimskaya, E.Z. 11,2

Petsagourakis, E.G. >See Goudas, C.L. 37,2

Petsagourakis, E.G. >See Goudas, C.L. 39,1

Pickard, H. >See Alfried, K.T. 16,4

Piras, B. >See Melis, A. 32,1

On the Dynamical Derivation

An Expansion in Power Series

with Finite Sizes

Secular Orbit-Orbit Resonance

with Non-Zero Masses

Stability and Bifurcations of

Second Species Periodic Solutions

Second Species Solutions with

Second Species Solutions with

Periodic Solutions of the Restricted

Continuations of Periodic Solutions

for Small  $u > 0$

Discrete Mechanics: Some Problems

Eclipses of Natural Planets

The Stability of the Solar System

(Book Review)

Area-Preserving Mappings

for nearly Parabolic Motions

Expansions of the Negative

between Bodies

Expansions of the Derivatives

Planetary Problems

Convergence of Newton's Iteration

Planetary Disturbing Functions

Title	Vol.	Iss.	Date Pub.	Page
	18	3	Oct-78	277
	21	4	May-80	337
Privation of the Titius-Bode Law	44	4	1988-1989	365
er Series of Mutual Potential for Gravitating Bodies	44	1-2	1988-1989	49
esonance between Two Satellites	30	3	Jul-83	229
es				
ions of Sitnikov Motions	42	1-4	1987-1988	187
	18	4	Nov-78	395
ic Solutions with an $O(u)$ near-Moon Passage	14	4	Dec-76	395
ons with an $O(uv)$ , $1/3 < v < 1$ , near Moon Passage	16	3	Nov-77	275
ons with an $O(uv)$ , $0 < v < 1$ , near-Moon Passage	24	2	Jun-81	155
the Restricted Problem that are Analytic	30	2	Jun-83	115
riodic Solutions of Hill's Problem				
	9	4	Jul-74	437
	41	1-4	1987-1988	107
	43	1-4	1987-1988	319
Some Remarks	30	3	Jul-83	249
planetary Satellites	12	1	Aug-75	99
olar System and of Small Stellar Systems	13	1	Feb-76	121
	38	1	Jan-86	67
appings and Deterministic Chaos	42	1-4	1987-1988	53
Motions				
gative Powers of Mutual Distances	3	1	Dec-70	121
rivatives of the Disturbing Function in	6	3	Nov-72	328
on's Iteration for the Expansion of The	15	1	Feb-77	125
g Function				
	11	2	Mar-75	265
	37	2	Oct-85	127
	39	1	May-86	57
	16	4	Dec-77	441
	32	1	Jan-84	87

## Authors

Piras, B. >See Melis, A. 36,1

Pitkin, Edward T., and Carpenter, Gilbert C.

Podgorski, Williams >See Rand, Richard 6,4

Pollard, Harry, and Saari, Donald G.

Pop, P. >See Horedt, G.P. 16,2

Poplarchek, Walter. >See Deprit, Andre. 11,1

Poschel, Jurgen

Powers, William F. >See Jacobson, Robert A. 15,2

Premkumar, R. >See Szebehely, V. 28, 1-2

Price, J.F. >See Deprit, Andre. 1,2

Prigogine, I., Grecos, A., and George, Cl.

Prince, P.J. >See Dormand, J.R. 18,3

Pringle, R. Jr.

Pucci, E. >See Balli, R. 17,4

Puel, Francois

Puel, Francois

Puel, Francois

Puel, Francois

Rabe, Eugene

Rabe, Eugene

Ragos, O., and Zagouras, C.

Ramnath, Rudrapatna

Rand, Richard, and Podgorski, Williams

Randall, P.M.S. >See Taff, L.G. 37,2

Rangarajan, R., and Flanagan, R.C.

Rannou-Montigny, F. >See Marcal, C. 43,1-4

Rao, P.V. Subba. >See Sharma, Ram Krishan. 12,2

Rao, P.V. Subba. >See Sharma, Ram Krishan. 13,2

Rao, P.V. Subba. >See Sharma, Ram Krishan. 18,2

Modified Newton-Raphson

Escape from a Gravitation

The Concept of Integrability

On the Relation of Dynam

Satellite Vibration-Rotation  
Transformations

Numerical Study of the Res

The Rotation Number of Be

Formulation intrinsèque de

(Intrinsic Formulation of S

Equation de Szebehely et p

(Szebehely's Equation and

A Method for Stability Det

Restricted Problem

Parameter Distribution of

Equilateral Points of the

Periodic Solutions about th

in the Photogravitational

Gravitational Perturbation

Geometrical Dynamics: A M

Parameter Optimization an

Environmentally Control

Title	Vol.	Iss.	Date Pub.	Page
	36	1	May-85	83
Johnson Methods for Preliminary Orbit Determination	1	1	Jun-69	72
	6	4	Dec-72	416
Mathematical System of Positive Energy	1	3-4	Feb-70	347
	16	2	Oct-77	209
	11	1	Feb-75	53
Stability on Cantor Sets for Hamiltonian Systems	28	1-2	Sep-82	133
	15	2	Mar-77	161
	28	1-2	Sep-82	195
	1	2	Oct-69	222
Dynamics to Statistical Mechanics	16	4	Dec-77	489
	18	3	Oct-78	223
Rotation Motions Studied Via Canonical	7	4	Jun-73	495
	17	4	May-78	317
The Rectilinear Isosceles Restricted Problem	20	2	Aug-79	105
Orbit of Bounded Orbits in a Central Field	29	3	Mar-83	255
Equation de l'equation de Szebehely	32	3	Mar-84	209
Solution of Szebehely's Equation)				
Sur les principes variationnels	32	4	Apr-84	349
(on and Principle Variations)				
Stability Determinations in the Elliptic	2	3	Oct-70	358
	8	2	Sep-73	177
Stability of Small Periodic Librations about the				
of the Elliptic Restricted Problem				
about the 'Out of Plane' Equilibrium Points	44	1-2	1988-1989	135
Mathematical Restricted Three-Body Problem				
Librations of Equatorial Orbits	8	1	Aug-73	85
Orbits: A New Approach to Periodic Orbits around L4	6	4	Dec-72	416
	37	2	Oct-85	149
Optimal and Optimal Attitude Response of a Passive	12	2	Sep-75	231
Controlled Space System				
	43	1-4	1987-1988	177
	12	2	Sep-75	189
	13	2	Mar-76	137
	18	2	Aug-78	185

## Authors

Rapaport, Michel

Rapaport, Michel

Rapaport, Michel

Rapp, R.H. >See Davis, M.E. 39,1

Ratner, Martin J. >See Breakwell, John V. 10,3

Reglero, V. >See Alfaro, J. Martinez. 38,2

Reinbold, S.J. >See Born, G.H. 9,3

Renard, Jacqueline. >See Henrard, Jacques. 17,4

Renard, Marc L. >See Sridharan, R. 11,2

Richardson, D.

Richardson, D. L., and Kelly, T.J.

Richardson, D.L. >See Howland, R.A. 32,2

Richardson, David L.

Richardson, David L.

Richardson, David L. >See Alfried, Kyle T. 7,4

Richardson, David L. >See Deprit, Andre. 28,3

Ricklefs, Randall L., Jefferys, William H., and Broucke, Roger A.

Rickman, H. >See Froeschle, C. 43,1-4

Rickman, Hans

Rickman, Hans, and Froeschle, C.

Robe, H.A.G.

Roberson, Robert E. >See Likins, Peter W. 3,4

Roberts, Charles E. Jr.

Roberts, Charles E. Jr.

Robin, I.A.

Robin, I.A., and Markellos, V.V.

Robinson, Clark, and Murdock, James

Robinson, W.J.

Perturbations des systemes

Resolution Methods of Pertu

A Relation between Giorgilli

Semi-analytical Planetary T

Two-Body Motion in the Pos

The Hamiltonian Transform

A Note on a Lagrangian For

Points

Analytical Construction of P

Points

A General Precompiler for A

Relation between Small Bod

Cometary Dynamics

A New Kind of 3-Body Probl

An Analytic Model for Upper

Jacchia's 1970 Models

Comments on the Applicatio

in Celestial Mechanics

Bifurcations of Plane with T

the Elliptic Restricted Prob

Numerical Determination of

Generated from Vertical Se

Some Mathematical Aspects

The Restricted Problem of T

Satellite

Title	Vol.	Iss.	Date Pub.	Page
Systemes differentiels et resultats de geometrie differentielle	13	2	Mar-76	217
Perturbed Differential Equations Using Tools	21	2	Feb-80	177
	21			
Corrigendi-Galgani's and Deprit's Algorithms	28	3	Nov-82	291
	39	1	May-86	103
	10	3	Nov-74	357
	38	2	Feb-86	163
	9	3	May-74	395
	17	4	May-78	325
	11	2	Mar-75	179
Binary Theories	26	2	Feb-82	187
The Post-Newtonian Approximation	43	1-4	1987-1988	193
Transformation in Quadratic Lie Transforms	32	2	Feb-84	99
Formulation for Motion about the Collinear	22	3	Oct-80	231
Orbits of Periodic Orbits about the Collinear	22	3	Oct-80	241
	7	4	Jun-73	408
	28	3	Nov-82	253
for Algebraic Manipulation	29	2	Feb-83	179
	43	1-4	1987-1988	243
Three Bodies: Discussion	43	1-4	1987-1988	413
	43	1-4	1987-1988	243
Problem	16	3	Nov-77	343
	3	4	Jul-71	491
Upper Atmosphere Densities Based Upon	4	3-4	Dec-71	368
s				
Application of Power Series Solutions to Problems	12	4	Dec-75	397
s				
with Three-Dimensional Periodic Orbits in	23	1	Jan-81	97
and Problem				
tion of Three-Dimensional Periodic Orbits	21	4	May-80	395
ical Self-Resonant Satellite Orbits				
pects of Spin-Orbit Resonance, II	24	1	May-81	83
m of Three Bodies with Rigid Dumb-Bell	8	2	Sep-73	323

## Authors

Robinson, W.J.

Rocher, P. >See Chapront, J. 22,1

Rochester, M.G.

Roehrich, Ronald L. >See Hoots, Felix R. 33,2

Roels, J.

Roels, J.

Roels, Jacques >See Henrard, Jacques 10,4

Roels, Jacques, and Aerts, Christine

Roels, Jacques, and Louterman, Georges

Rom, Arnold

Rom, Arnold

Rom, Arnold. >See Deprit, Andre. 1,2

Rom, Arnold. >See Deprit, Andre. 2,2

Roman, N.

Rosborough, G. W., and Tapley, B.D.

Roth, E.A.

Roth, E.A.

Roth, E.A.

Roth, E.A.

Roth, E.A. >See Janin, G. 14,1

Roth, Ernst A.

Roth, Ernst A.

Roy, A.E. >See Markellos, V.V. 23,3

Roy, A.E. >See Moran, P.E. 8,3

Roy, A.E., and Moran, P.E.

Attitude Stability of a Rigid  
in the Restricted Problem o

Comments on the Paper by  
the Rotation of the Earth

Sur de nouvelles series pour  
Routh dans le probleme res  
On an Example of Impossibi  
when the Eigenvalues are

Central forces Depending on  
Case Where all the Bounde  
Normalisation des systemes  
probleme restreint des troi  
Mechanized Algebraic Oper  
Echeloned Series Processor

Space Telescope, a Versatile  
Radial, Transverse and Nor  
to the Geopotential  
Fast Computation of High E  
Stroboscopic Method  
Perturbation of a Satellite C  
Primary Planet  
On the Stroboscopic Method  
Construction of a Consisten  
of a Planetary or Moon Or

Launch Window Study for t  
On the PerturbatiOn of the  
Eccentric Orbit Satellite L

Studies in the Application o  
Perturbation Methods. II  
for Special Perturbations



Title	Vol.	Iss.	Date Pub.	Page
Rigid Body Placed at an Equilibrium Point	10	1	Aug-74	17
Problem of Three Bodies	22	1	Jul-80	73
Interference by Y. Kubo: 'a Core-Mantle Interaction in the Earth'	24	3	Jul-81	231
Stability of the Earth	33	2	Jun-84	143
Stability for the problem of masses critiques de	12	3	Nov-75	327
Le probleme restreint plan des trois corps	21	2	Feb-80	203
Impossibility to Build a Canonical Transformation	10	4	Dec-74	497
When the Integrals are Zero	44	1-2	1988-1989	77
Dependence on the Distance only.	3	1	Dec-70	129
Bounded Orbits are Periodic	1	3-4	Feb-70	301
Systemes lineaires canoniques et application aux	3	3	Apr-71	331
Les trois corps	1	2	Oct-69	222
Operations (MaO)	2	2	Jul-70	166
Processor (ESP)	22	2	Jul-80	165
Artificial Satellite New instrument	40	3-4	1987	409
Normal Satellite Position Perturbations Due	8	2	Sep-73	245
High Eccentricity Orbits by the	14	3	Nov-76	341
Artificial Satellite Orbiter by the Oblateness of the	21	2	Feb-80	155
Method of Second Order	28	1-2	Sep-82	155
Persistent Semianalytic Theory	14	1	Aug-76	141
Artificial Satellite Orbiter Perturbed by a Third Body	2	3	Oct-70	369
Stability for the Highly Eccentric Orbit Satellite HEOS-1	23	1	Jan-81	83
Dependence of the Anomalous Period of a Highly	23	3	Mar-81	269
Artificial Satellite Due to the Zonal Harmonics	8	3	Nov-73	405
Stability of the Earth	7	2	Feb-73	236
Derivation of Recurrence Relations to Special				
Equations. III. Non-Singular Differential Equations				
Solutions				

## Authors

Roy, A.E., Moran, P.E., and Black, W.

Roy, Archie E. >See Valsecchi, Giovanni B. 32,2

Roy, Archie E. >See Walker, Ian W. 24,2

Roy, Archie E. >See Walker, Ian W. 29,2

Roy, Archie E. >See Walker, Ian W. 29,3

Roy, Archie E. >See Walker, Ian W. 22,4

Rubincam, David Parry

Rubincam, David Parry

Rubincam, David Parry, and Weiss, Nelson R.

Ruck, H. >See Horedt, G.P. 16,2

Ruder, H. >See Soffel, M. 40,1

Ruder, H. >See Soffel, M. 42,1-4

Rudy, D.J. >See Muhleman, D.O. 37,3

Rufer, Daniel

Russmann, Helmut

Russmann, Helmut

Russmann, Helmut

Ryland, F.C.E. >See Brookes, C.J. 27,4

Ryland, F.C.E. >See Brookes, C.J. 27,4

Saari, D. >See Szebehely, V. 21,1

Saari, D.G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Studies in the Application of  
Perturbation Methods. I. C  
in the Two-Body Problem

General Relativity and Sate  
Particle in the Schwarzschi  
On The Secular Decrease in  
Earth Albedo and the Orbit

Trajectory Optimization by  
Constant Thrust-accelerati  
On a New Proof of Moser's T  
On Optimal Estimates for th  
Equations on the Circle  
Remark on Integrable Ham

In Memoriam. Professor Har  
Power Series Solutions  
On Oscillatory Motion in th  
Separation of Clusters in th  
On Global Existence and th  
Systems  
Regularization and the Arti  
The angle of Escape in the  
The N-Body Problem of Cel  
On Newtonian Cosmology w  
On the Role and the Proper

Title	Vol.	Iss.	Date Pub.	Page
tion of Recurrence Relations to Special	6	4	Dec-72	468
is. I. Comparison with Runge-Kutta Integration				
blem	32	3	Mar-84	217
	24	2	Jun-81	195
	29	2	Feb-83	117
	29	3	Mar-83	267
	22	4	Nov-80	371
d Satellite Orbits: the Motion of a Test	15	1	Feb-77	21
arzchild Metric				
ase in the Semimajor Axis of Lageos's Orbit	26	4	Apr-82	361
Orbit of Lageos	38	3	Mar-86	233
	16	2	Oct-77	209
	40	1	1987	77
	42	1-4	1987-1988	81
	37	3	Nov-85	329
on by Making Use of the Closed Solution of	14	1	Aug-76	91
eleration Motion				
ser's Twist Mapping Theorem	14	1	Aug-76	19
s for the Solutions of Linear Differences	14	1	Aug-76	33
cle				
Hamiltonian Systems	21	1	Jan-80	121
	27	4	Aug-82	339
	27	4	Aug-82	353
	20	4	Jan-80	3
or Harry Pollard, 1919-1985	37	4	Dec-85	349
s	1	3-4	Feb-70	331
n in the Problem of Three Bodies	1	3-4	Feb-70	343
s in the N-Body Problem	2	3	Oct-70	352
and the Uniqueness Theorems for Gravitational	8	2	Sep-73	157
the Artificial Earth Satellite Problem	9	1	Mar-74	55
n the Three Body Problem	9	2	Apr-74	175
of Celestial Mechanics	14	1	Aug-76	11
ology with a Varying Gravitational Constant	16	4	Dec-77	407
Properties of n Body Central Configurations	21	1	Jan-80	9

## Authors

Saari, Donald G.

Saari, Donald G.

Saari, Donald G.

Saari, Donald G. >See Marchal, Christian 12,2

Saari, Donald G. >See Pollard, Harry. 1,3-4

Sagnier, J.L.

Salmassi, Mohammad

San Saturio, Maria-Eugenia >See Cid, Rafael 42,1-4

Sanders, Jan

Sanders, Jan A.

Sansaturio, M. E., and Vigueras, A.

Sarlet, Willy

Sarris, E.

Sarychev, V.A., and Sazonov, V.V.

Sarychev, V.A., and Sazonov, V.V.

Sarychev, V.A., and Sazonov, V.V.

Sato, Massae. >See Yokoyama, Tadashi. 39,2

Sato, Massae. >See Yokoyama, Tadashi. 41,1-4

Sazanov, V.V. >See Sarychev, V.A. 13,3

Sazonov, V.V. >See Sarychev, V.A. 15,1

Sazonov, V.V. >See Sarychev, V.A. 15,2

Schanzle, Allan F.

Schastok, J. >See Soffel, M. 42,1-4

Scheurle, Jurgen

Schmeidler, F.

Schmidt, D.

From Rotations and Inclina

Velocity Surfaces. I: a Nat

Zero Velocity Hypersurface

Three-Body Problem

From Rotations and Inclina

II. The Best Possible Con

A New Theory of the Motion

Second Order Adiabatic Inv

with the Two-Body Problem

Are Higher Order Resonanc

Melnikov's Method and Av

Translatory-Rotator Motion

On a Common Derivation o

Two-Timescale Method

Integrals of Motion in The

Three-Body Problem

Optimal Damping of the Nu

Satellites

Nutational Dampers of Spin

Nutational Dampers of Dusa

Power Series Representati

Orbit Determination

Quasi-Periodic Solutions of

near Euler's Orbits

The Meaning of Celestial M

of Alexander Von Humbol

The Main Problem of Luna

Title	Vol.	Iss.	Date Pub.	Page
Inclinations to Zero Configurational	33	4	Aug-84	299
a Natural Rotating Coordinate System				
Surfaces for the General Three-Dimensional	39	4	1986	341
Inclinations to Zero Configurational Velocity Surfaces.	40	3-4	1987	197
e Configurational Velocity Surfaces				
	12	2	Sep-75	115
	1	3-4	Feb-70	347
Motions of the Galilean Satellites of Jupiter	12	1	Aug-75	19
ctic Invariants Associated	37	4	Dec-85	359
Problem with Slowly Varying Mass				
	42	1-4	1987-1988	263
esonances Really Interesting?	16	4	Dec-77	421
nd Averaging	28	1-2	Sep-82	171
Motion of a Gyrostat in a Newtonian Force Field	41	1-4	1987-1988	297
tion of the Averaging Method and the	17	3	Apr-78	299
nod				
h The Elliptic Three-Dimensional Restricted	26	4	Apr-82	353
h				
the Nutating Motion of Spin-Stabilized	13	3	May-76	383
of Spin-Stabilized Satellites	15	1	Feb-77	75
of Dual-Spin Satellites	15	2	Mar-77	225
	39	2	1986	117
	41	1-4	1987-1988	99
	13	3	May-76	383
	15	1	Feb-77	75
	15	2	Mar-77	225
entation of Partial Derivatives Required in	4	3-4	Dec-71	287
n				
	42	1-4	1987-1988	81
ions of the Plane Three-Body Problem	28	1-2	Sep-82	141
stial Mechanics in The Kosmos	34	1-4	Sep-84	7
umboldt				
f Lunar Theory Solved by The Method of Brown	26	1	Jan-82	75

## Authors

Schmidt, D.S.

Schmidt, D.S. &gt;See Meyer, K.R. 4,1

Schmidt, Dieter S.

Schmidt, Dieter S.

Schmidt, Dieter S. &gt;See Meyer, Kenneth R. 28, 1-2

Schneider, M. &gt;See Soffel, M. 40,1

Schneider, M. &gt;See Soffel, M. 42,1-4

Scholl, H.

Scholl, H. &gt;See Froeschle, Ch. 43,1-4

Schubart, J.

Schubart, J.

Schubart, J. &gt;See Bien, R. 34,1-4

Schubart, J., and Bien, R.

Schubart, Joachim

Schubart, Joachim

Schutz, B.E.

Schutz, B.E. &gt;See Tapley, B.D. 12,4

Schutz, B.E. &gt;See Tapley, B.D. 37,3

Schwarz, Hugo E., and Walker, Ian W.

Sconzo, Pasquale

Segan, S.

Sehna, L.

Seidelman, P.K. &gt;See Davies, M.E. 29,4

Seidelman, P.K. &gt;See Davies, M.E. 39,1

Seidelmann, P. K.

Seidelmann, P. K.

Seidelmann, P. K., and Harrington, R.S.

Seidelmann, P. K., and Williams, C.A.

Periodic Solutions near a Resonant System

Literal Solution for Hill's Lunar Problem  
The Lunar Theory of Hill and LindbladCorrection to the Mass of Jupiter  
(153) Hilda, (279) Thule, and (2867) Steins

The Planetary Masses and the Resonant Asteroids between Mars and Jupiter

An Application of Labrousse's Method to Quasi-Periodic Asteroids  
Some Recent Work on the Orbits of Hilda-Type Asteroids  
Numerical Determination of the Mutual Potential and Gravitational Perturbations to Fourth OrderStudies in the Application of the Single-Step and Multi-Step Methods to Special Perturbation Problems  
Continental Drift and Rotational Effects of The Terrestrial Inertia Tensor on The Motion of an Artificial SatelliteFundamental Reference Systems  
Unsolved Problems of Celestial Mechanics  
Planet X - the Current Status  
Discussion of Current Status

Title	Vol.	Iss.	Date Pub.	Page
a Resonant Equilibrium of a Hamiltonian	9	1	Mar-74	81
	4	1	Sep-71	99
's Lunar Problem	19	3	Apr-79	279
ill and Brown	21	2	Feb-80	163
	28	1-2	Sep-82	201
	40	1	1987	77
	42	1-4	1987-1988	81
of Jupiter Derived from the Motion of	4	2	Oct-71	250
ale, and (334) Chicago				
	43	1-4	1987-1988	113
and the Orbits of the First Four Minor Planets	4	2	Oct-71	246
etween the Main Belt and Jupiter's Orbit	43	1-4	1987-1988	309
	34	1-4	Sep-84	435
rouste's Method	34	1-4	Sep-84	443
eroidal Motion				
the Orbital Theory of Asteroids	8	2	Sep-73	219
ion of Proper Inclinations	28	1-2	Sep-82	189
ds				
and Gravitational Torques of Two Bodies	24	2	Jun-81	173
	12	4	Dec-75	409
	37	3	Nov-85	247
tion of Recurrence Relations	27	2	Jun-82	191
on Methods. VI: Comparison with Classical				
i-Step Methods of Numerical Integration				
Rotation of the Earth	22	1	Jul-80	61
on of Atmospheric Drag Effects	41	1-4	1987-1988	381
rial Infrared Radiation Pressure	25	2	Oct-81	169
Artificial Satellite				
	29	4	Apr-83	309
	39	1	May-86	103
ce Systems: Past, Present, and Future	37	3	Nov-85	199
Celestial Mechanics - The Solar System	39	2	1986	141
t Status	43	1-4	1987-1988	55
Status of Planet X	43	1-4	1987-1988	409

# Authors

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K.

Seidelmann, P.K. >See Davies, M.E. 22,3

Seidelmann, P.K. >See Duncombe, R.L. 4,2

Seidelmann, P.K. >See Klepczynski, W.J. 4,2

Seidelmann, P.K., Kaplan, G.H., Johnston, K.J., and Wade, C.M.

Seidelmann, P.K., Szebehely, V.G., and Duncombe, R.L.

Sein-Echaluze, M.L. >See Cid, R. 38,2

Sein-Echaluze, M.L. >See Ferrer, S. 32,4

Sein-Echaluze, Maria L. >See Ferrandiz, Jose M. 40,3-4

Serafin, R. A.

Serafin, R. A.

Serafin, R. A., and Wnuk, E.

Serafin, R.A.

Serafin, R.A.

Serafin, R.A.

Serafin, R.A. >See Dybczynski, P.A. 38,4

Serafin, R.A. >See Hurnik, H. 31,1

Serafin, Richard A.

Sergysels, Roland

Sergysels, Roland

Sergysels-Lamy, Anne

An Iterative Method of Gen  
for a Computer

Limitations on Outer Plane  
Mutual Perturbations

Copernicus...and Modern D

A Coordinated Effort for Ob  
Natural Satellites

Numerical Values of the Co  
Working Groups of IAU Co

Planetary, Theory Developm

Orbital Motion of the Plane

1980 IAU Theory of Nutatio  
Group on Nutation

Observations of Minor Plan

Preface to the Symposium I

On the Collision Probability

Bounds on the Solution to K

On the Symmetric Differen  
to the Correction of Orbits

The Mean Anomaly in Ellip

On The Symmetric Differen  
to The Correction of Orbit

Laplace's Problem in Math

Admissible Orbits in the O  
Zero Velocity Hypersurface

Three-Body Problem

Restriction on the Motion o

Existence of Periodic Orbit

Restricted Problem of Thr



Title	Vol.	Iss.	Date Pub.	Page
of General Perturbations Programmed	2	2	Jul-70	134
Planet Mass Determinations from Their	5	1	Jan-72	3
as				
ern Dynamical Astronomy	9	3	May-74	295
for Observations and Theories of the	12	1	Aug-75	59
the Constants of the Join Report of the	16	2	Oct-77	165
IAU Commision 4				
velopments, 1973-1976	17	2	Feb-78	103
Planets-Theoretical and Observational	26	2	Feb-82	149
utation: The Final Report of the IAU Working	27	1	May-82	79
	22	3	Oct-80	205
	4	2	Oct-71	224
	4	2	Oct-71	253
r Planets with the Very Large Array	34	1-4	Sep-84	39
sium Proceedings	22	1	Jul-80	3
	38	2	Feb-86	191
	32	4	Apr-84	333
	40	3-4	1987	315
ability for Comets with the Sun	36	3	Jul-85	273
on to Kepler's Equation	38	2	Feb-86	111
fference Quotient and its Application	42	1-4	1987-1988	175
Orbits (II): a Numerical Analysis				
n Elliptic Motion as Random Variable	21	4	May-80	351
fference Quotient and its Application	26	4	Apr-82	383
Orbits				
Mathematical Aspect	33	1	May-84	71
	38	4	Apr-86	345
	31	1	Sep-83	53
the Oort Cloud and Velocities on such Orbits	41	1-4	1987-1988	79
surfaces for the General Three-Dimensional	38	3	Mar-86	207
n				
otion of a Solid in a Gravitational Field	44	1-2	1988-1989	155
Orbits of the Second Kind in the Elliptic	11	1	Feb-75	43
of Three Bodies				

### Authors

Sessin, W. >See Ferraz-Mello, S. 34,1-4

Sessin, W., and Ferraz-Mello, S.

Sessin, Wagner

Sessin, Wagner

Sessin, Wagner

Sessin, Wagner

Sessin, Wagner

Seversike, L.K. >See Born, G.H. 9,1

Shapiro, I.I. >See Cappallo, R.J. 26,2

Sharma, Ram Krishan, and Rao, P.V. Subba

Sharma, Ram Krishan, and Rao, P.V. Subba

Sharma, Ram Krishan, and Rao, P.V. Subba

Sheffield, Charles

Sheifele, G.

Shelus, P.J. >See Jefferys, W.H. 37,3

Shelus, Peter J.

Shelus, Peter J.

Shelus, Peter J., Abbot, Richard I., and Mulholland, J. Derral

Shelus, Peter J., Jefferys, and William H. III

Shepperd, Stanley W.

Shepperd, Stanley W.

Shikhalev, V.V. >See Bykova, L.E. 32,2

Shirmin, G.I.

Motion of Two Planets with  
in the Ratio 2:1 Solutions of  
Lagrange Variational Equations  
for Canonical Systems  
A General Algorithm for the  
in Hori's Method for Non-Canonical  
A Note on the Integration of  
of Lie-Deprit's Method for  
A Theory of Integration for  
Application of the Extended

Stationary Solutions and the  
Restricted Three-Body Problem  
is an Oblate Spheroid  
Collinear Equilibria and the  
Restricted Three-Body Problem  
Spheroids  
A Case of Commensurability  
Generalized Multi-Step Method  
to Orbit Computation  
On Nonclassical Canonical

A Two-Parameter Survey of  
of Three-Bodies  
Fundamental Coordinate Transformations  
Observations of Outer Planets  
A Note on an Attempt at Modeling  
Universal Keplerian States  
Naturally Occurring Configurations

About Regions of Convergence  
Equations of the Three-Body Problem  
in the Vicinity of Collinear

Title	Vol.	Iss.	Date Pub.	Page
s with Periods Commensurable	34	1-4	Sep-84	453
tions of Hori Auxiliary System	32	4	Apr-84	307
Equations from Hori's Method	29	4	Apr-83	361
ns				
for the Determination of $T_j(n)$ and $Z_j^*(n)$	31	2	Oct-83	109
Non-Canonical Systems				
tion of the Equations	35	1	Jan-85	19
od for Unspecified Canonical Variables				
on for the Extended Delaunay Method	39	2	1986	173
ted Delaunay Method to the Ideal Resonance Problem	40	3-4	1987	293
	9	1	Mar-74	41
	26	2	Feb-82	145
and their Characteristic Exponents in the	13	2	Mar-76	137
dy Problem when the More Massive Primary				
d				
and their Characteristic Exponents in the	12	2	Sep-75	189
dy Problem when the Primaries are Oblate				
rability Induced by Oblateness	18	2	Aug-78	185
ep Methods with an Application	1	1	Jun-69	46
n				
onical Systems	2	3	Oct-70	296
	37	3	Nov-85	299
rvey of Periodic Orbits in the Restricted Problem	5	4	Jul-72	483
nate Ties Using Laser Ranging Data	37	3	Nov-85	243
r Planet Satellites	12	1	Aug-75	57
t at More Efficient Poisson Series Evaluation	11	1	Feb-75	75
State Transition Matrix	35	2	Feb-85	129
Continued Fractions in the Variation of Kepler's Equation	42	1-4	1987-1988	91
	32	3	Mar-84	185
vergence of Expansions of Differential	9	2	Apr-74	183
ree-Dimensional Restricted Three-Body Problem				
llinear Libration Points				

## Authors

Shirmin, G.I.

Shirmin, G.I.

Shniad, Harold

Shnol, E.E.

Shor, V.A.

Shorokhov, S.G.

Shrivastava, A.K., and Ishwar, Bhola

Shrivastava, S.K., and Hablani, Hari B.

Sidlichovsky, M.

Sidlichovsky, M.

Siewert, C.E. >See Burniston, E.E. 7,2

Siewert, C.E. >See Burniston, E.E.10,1

Siewert, C.E., and Burniston, E.E.

Silver, Murray

Simmons, J.F.L., McDonald, A.J.C., and Brown, J.C.

Simo, Carles

Simo, Carles

Simo, Carles, and Lacomba, Ernesto

Simo, Carles, and Martinez, Regina

Simo, Carles. >See Lacomba, Ernesto A. 28,1-2

Simon, J.L. >See Laskar, J. 43,1-4

Simons, Th. >See Papageorgiou, G. 44,1-2

Sincarsin, G.B., and Hughes, P.C.

Sinclair, A.T.

Sinclair, A.T.

Sinclair, A.T.

Sinclair, A.T. >See Davies, M.E. 22,3

Sinclair, A.T. >See Davies, M.E. 29,4

On the Algorithm for Const

A System of Ordinary Diff

Characteristic form of Lia

(In Russian) Investigation

the Neighborhood of a Col

The Equivalence of Von Ze

On the Stability of Equilib

near the Main Resonance

The Motion of The Martian

Solution of an Inverse Prob

Equations of Motion of the

of Three Bodies with Vari

a Gravity Stabilized Axis

Analysis of Solar Radiation

The Inclination Changes in

Spheroids

On the Double Averaged T

An Exact Analytical Solu

A Short Derivation of the

The Restricted 3-Body Pro

Relative Equilibrium Solu

Masses for which Triple C

Analysis of Some Degener

Qualitative Study of the P

Gravitational Orbit-attitu

Periodic Solutions in the C

The Formation of Commer

the Action of Tidal forces

The Orbital Resonance an

Title	Vol.	Iss.	Date Pub.	Page
Constructing Periodic Solutions of Every Differential Equations not Reduced to The of Liapounov's System	10	2	Oct-74	151
ation of the Stability of Periodic Motion in of a Collinear Libration Point	11	4	Jun-75	483
von Zeipel Mappings and Lie Transforms	2	1	May-70	114
Equilibria of Hamiltonian Systems	33	2	Jun-84	159
ances				
artian Satellites	12	1	Aug-75	61
Problem of the Dynamics of a Particle	44	1-2	1988-1989	193
of the Restricted Problem	30	3	Jul-83	323
h Variable Mass				
d Axisymmetric Satellite				
radiation Pressure Induced Couple Librations of	20	3	Oct-79	297
anges in The Problems of Two Triaxial Rigid	22	4	Nov-80	345
aged Three-Body Problem	29	3	Mar-83	295
	7	2	Feb-73	225
	10	1	Aug-74	5
Solution of Kepler's Equation	6	3	Nov-72	294
of the Sperling-Burdet Equations	11	1	Feb-75	39
dy Problem with Radiation Pressure	35	2	Feb-85	145
n Solutions in the Four Body Problem	18	2	Aug-78	165
iple Collision is Regularizable	21	1	Jan-80	25
generate Quadruple Collisions	28	1-2	Sep-82	49
the Planar Isosceles Three-Body Problem	41	1-4	1987-1988	179
	28	1-2	Sep-82	37
	43	1-4	1987-1988	37
	44	1-2	1988-1989	167
Attitude Coupling for Very Large Spacecraft	31	2	Oct-83	143
n the Commensurable Three-Body Problem	2	3	Oct-70	350
Commensurabilities in Satellite Systems Due to forces (abstract)	8	2	Sep-73	221
ence amongst The Galilean Satellites of Jupiter	12	1	Aug-75	89
	22	3	Oct-80	205
	29	4	Apr-83	309

# Authors

Sinclair, A.T. >See Davis, M.E. 39,1

Sinclair, W.S. >See Lieske, J.H. 4,2

Singh, Jagadish, and Ishwar, Bhola

Singh, Jagadish, and Ishwar, Bhola

Singh, R.B., and Demin, V.G.

Singh, V.

Singh, Virendra

Sinzi, A.M.

Sinzi, A.M. >See Davies, M.E. 29,4

Sivaramakrishnan, A., and Jefferys, W.H.

Skripnichenko, V.I. >See Brumberg, V.A. 11,1

Slabinski, Victor J.

Smith C.E. >See Innanen, K.A. 3,2

Smith, B.A. >See Davies, M.E. 29,4

Smith, C.A.

Smith, Clayton, and Jackson, Edward

Smith, G. >See Broucke, R. 4,3-4

Smith, Gary R.

Snyder, William V. >See Krogh, Fred T. 26,4

Sochilina, A.S.

Soffel, M., Ruder, H., and Schneider, M.

Soffel, M., Wirrer, R., Schastok, J., Ruder, H., and Schneider, M.

Sokolov, V.G. >See Batrakov, Yu. 6,2

Sokolsky, A.G.

Soler, Tomas

Effect of Perturbations on t  
in the Restricted Problem

Effect of Perturbations in t  
in the Restricted Problem

About the Motion of a Heav  
Satellite in the Central Fi

Application of Gauss's Meth  
Solutions in the Relativist

Periodic Solutions in Hill's  
Corrections to the Lunisola

Equinox from Proper Moti

Strongly Perturbed Quasi-I

Continental Drift and The  
and Critical Evaluation

Systematic Errors of the Pl  
+9 to +20

The Southern Reference St  
a 20-year International P

A Simple, Efficient Startin  
Kepler's Equation

On the Motion of a Satellit  
The Two-Body Problem in

Relativistic Effects in the M  
The Oblateness of the Cer

On the Stability of Small Q  
System

A New Matrix Developmen  
at Exterior Points as a Fu

Title	Vol.	Iss.	Date Pub.	Page
	39	1	May-86	103
	4	2	Oct-71	233
as on the Location of Equilibrium Points	32	4	Apr-84	297
blem of Three Bodies with Variable Mass				
as in the Stability of Triangular Points.	35	3	Mar-85	201
blem of Three Bodies with Variable Mass				
a Heavy Flexible String Attached to the	6	3	Nov-72	268
ral Field of Attraction				
s Method in the Formation of Periodic	14	2	Sep-76	167
ativistic Problem of Three Bodies				
Hill's Relativistic Problem	16	2	Oct-77	137
nisolar Precession and the Motion of the	4	2	Oct-71	273
r Motions of Cepheids				
	29	4	Apr-83	309
quasi-Periodic Dynamical Systems	26	1	Jan-82	41
	11	1	Feb-75	131
l The Rotation of The Earth - a New	25	1	Sep-81	89
tion				
	3	2	Mar-71	145
	29	4	Apr-83	309
the Plate Measurements of the Yale Zone	22	2	Jul-80	141
nce Star Program:	37	3	Nov-85	277
onal Project nearing Completion				
	4	3-4	Dec-71	490
starting Value for the Iterative Solution of	19	2	Feb-79	163
	26	4	Apr-82	395
atellite in Resonance with its Rotating Planet	26	4	Apr-82	337
m in The (Truncated) PPM - Theory	40	1	1987	77
the Motion of Artificial Satellites:	42	1-4	1987-1988	81
the Central Body I				
	6	2	Sep-72	247
small Quasiperiodic Motions in the Hamiltonian	17	4	May-78	373
opment of the Potential and Attraction	32	3	Mar-84	257
s a Function of the Inertia Tensors				

## Authors

Soma, M., Hirayama, Th., and Kinoshita, H

Soma, Mitsuru

Sorvari, J.M. >See Taff, L.G. 26,4

Souchay, J. >See Capitaine, N. 39,3

Soudack, A.C. >See Barkham, P.G.D. 15,1

Soudak, A.C. >See Barkham, P.G.D. 14,4

Spencer, J. >See Johnston, K. 22,2

Sperling, H.J.

Sperling, H.J.

Sperling, Hans

Sperling, Hans J.

Sperling, Hans J.

Spirig, F.

Spirig, Franz

Spyrou, N.

Sridharan, R., and Renard, Marc L.

Stagg, Christopher

Staley, D.A. >See Vigneron, F.R. 27,2

Standaert, D.

Standaert, D.

Standaert, D.

Standaert, D.

Standish, E. Myles Jr.

Standish, E. Myles Jr.

Standish, E. Myles Jr.

Standish, E. Myles Jr.

Standish, E.M. >See Muhleman, D.O. 37,3

Standish, E.M. Jr.

Stellmacher, I.

Analytical Expressions of the  
of Apparent Positions  
An Analysis of Lunar Occultations  
Using the New Lunar Ephemeris

Note on a Statement in A. V.  
of Celestial Mechanics  
The Collision Singularity in  
The General Equilibria of a  
The Real Singularities of the  
The Collision Singularity in  
Algebraic Aspects of Perturbations  
A Generalization of Hopf's  
Newtonian Dynamics of Systems  
Non-Numeric Computation  
Almost-Square Orbits in the

Direct Perturbations of the  
Comments about The Direct  
The Moon's Motion  
Direct Perturbations of the  
Results and Comparison  
Periodic, Consecutive-Collisions  
for  $\mu$  not Equaling One  
Sufficient Conditions for Escape  
Sufficient Conditions for Resonance  
On the Stability of the Solution  
On the Orientation of Ephemerides

The JPL Planetary Ephemeris  
Influence du champ magnétique  
satellite autour de son centre



Title	Vol.	Iss.	Date Pub.	Page
s of the Earth's Position and Velocity for the Calculation s	41	1-4	1987-1988	389
Occultations in the Years 1955-1980	35	1	Jan-85	45
r Ephemeris ELP2000	26	4	Apr-82	423
	39	3	1986	283
	15	1	Feb-77	5
	14	4	Dec-76	465
	22	2	Jul-80	143
in A. Wintner's Analytical Foundations	1	2	Oct-69	210
cs				
ity in a Perturbed Two-Body Problem	1	2	Oct-69	213
ia of a Spinning Satellite in a Circular Orbit	6	3	Nov-72	278
s of the N-Body Problem in Celestial Mechanics	2	3	Oct-70	355
ity in a Perturbed N-Body Problem	5	3	May-72	396
Perturbation Theories	20	4	Nov-79	343
opf's Bifurcation Problem	21	2	Feb-80	199
of Systems of Extended Bodies	18	4	Nov-78	351
tation for High Eccentricity Orbits	11	2	Mar-75	179
s in the Restricted Problem of Three Bodies	32	4	Apr-84	365
	27	2	Jun-82	111
of the Planets on the Moon's Motion	22	4	Nov-80	357
Direct Perturbations of Venus and Mars on	26	1	Jan-82	113
of the Planets on the Moon's Motion:	30	1	May-83	21
ison	30	1	May-83	
-Collision Orbits in the Restricted Problem	4	1	Sep-71	31
y One Half				
for Escape in the Two-Body Problem	4	1	Sep-71	44
for Return in the Three-Body Problem	6	3	Nov-72	352
e Solutions of the General Three Bodies	14	4	Dec-76	493
f Ephemeris Reference Frames	37	3	Nov-85	239
	37	3	Nov-85	329
phemerides	26	2	Feb-82	181
magnetique terrestre sur le mouvement d'un	5	4	Jul-72	470
on centre de gravite				

## Authors

Stellmacher, I.

Stellmacher, I.

Stellmacher, I.

Stellmacher, I.

Stellmacher, I.

Stellmacher, I.

Stellmacher, I.

Stellmacher, I.

Stern, David P.

Stickforth, J.

Stickforth, J.

Stiefel, E.

Stiefel, E.

Stiefel, E.

Stiefel, E. &gt;See Baumgarte, J. 10,1

Stokes, Arnold

Stokes, Arnold

Stumpff, P.

Sun, Fang Toh

Sun, Yi-Sui

Sun, Yi-Sui

Evolution d'attitude d'un satellite terrestre

Mouvement d'un satellite a trois axes terrestres

Periodic Orbits around an Oblique

Construction d'orbites periodiques d'axes tournants, I (Construction)

Satellites in a Moving System

Orbites periodiques de satellites

Mimas-Tethys (Periodic Orbits of the Mimas-Tethys Type)

Systemes Hamiltoniens au voisinage

I: Orbites periodiques dans les systemes (Hamiltonian Systems in the Solution. I: Periodic Orbits)

Systemes Hamiltoniens au voisinage

II: Stabilite des solutions periodiques in the Neighbourhood of an Equilibrium

The Stability of Periodic Solutions

Etude analytique du voisinage des orbites dans les systems a trois degres de liberte

for Hamiltonian Systems with Three Degrees of Freedom

A New Formulation of Canonical Transformations

Another Regularization of the Three-Body Problem

Additional Remark to 'Another Regularization of the Three-Body Problem'

Remarks on Numerical Integration of the Three-Body Problem

The Fourth Oberwolfach Conference on Mathematics

Remarks on the Numerical Solution of the Three-Body Problem

Stabilization of Kepler's Problem

General Time Elements for the Kepler Problem

The General Kepler Equation

On the Orbital Isochronism

On the Measure-Preserving Property of the Kepler Flow

Invariant Manifolds in the Three-Body Problem with Three-Dimensions

Title	Vol.	Iss.	Date Pub.	Page
un satellite dans le champ magnetique	10	1	Aug-74	57
ite a rotation lente dans le champ magnetique	13	2	Mar-76	177
i an Oblate Spheroid	23	2	Feb-81	145
periodiques de satellites dans un systeme	28	4	Dec-82	351
Construction of Periodic Orbits of				
g System of axes, I)				
satellites. II. Libration de type	28	4	Dec-82	381
ic Orbits of Satellites. II: Libration				
Type)				
s au voisinage d'une solution d'equilibre.	32	3	Mar-84	231
s dans les cas resonants				
s in the Neighbourhood of an Equilibrium				
Orbits in Cases of Resonances)				
s au voisinage d'une solution d'equilibre.	32	3	Mar-84	247
ions periodiques (Hamiltonian Systems				
d of an Equilibrium Solution. II:				
odic Solutions)				
oisinage de la resonance 4:4:1	33	4	Aug-84	343
ois degres de liberte (The Resonance 4:4:1				
ems with Three Degrees of Freedom)				
'Canonical Perturbation Theory	3	2	Mar-71	241
n of the Kepler Problem	15	1	Feb-77	131
'Another Regularization of the Kepler Problem'	18	3	Oct-78	257
al Integration of Keplerian Orbits	2	3	Oct-70	274
ch Conference on Celestial Mechanics	8	2	Sep-73	155
erical Integration of near-Parabolic Orbits	14	1	Aug-76	85
	10	1	Aug-74	71
r's Problem	16	1	Sep-77	27
ts for the Two Body Problem	17	2	Feb-78	137
uation and its Solutions	43	1-4	1987-1988	211
onism	3	3	Apr-71	272
erving Mappings with Odd Dimension	30	1	May-83	7
n the Measure-Preserving Mappings	33	2	Jun-84	111
ons				

## Authors

Sun, Yi-Sui

Sun, Yi-Sui >See Liu, Jie 44,1-2

Sun, Yi-Sui, and Yan, Zhi-Ming

Sveshnikov, M.L. >See Krasinsky, G.A. 26,2

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V.

Szebehely, V. >See Markellos, V.V. 24,2

Szebehely, V. >See McKenzie, R. 23,3

Szebehely, V. >See Zare, K. 11,4

Szebehely, V., and McKenzie, R.

Szebehely, V., and Bond, V.

Szebehely, V., and Evans, R.T.

Szebehely, V., and Feagin, T.

Szebehely, V., and McKenzie, R.

Szebehely, V., and McKenzie, R.

Szebehely, V., and Premkumar, R.

Szebehely, V., and Whipple, A.L.

Szebehely, V., Saari, D., Waldvogel, J., and Kirchgraber, U.

Szebehely, V.G. >See Seidelmann, P.K. 22,1

Szebehely, Victor

Szebehely, Victor

Szebehely, Victor

Szebehely, Victor

Szebehely, Victor

Szebehely, Victor, and Broucke, R.

Attractors in a Dissipative

A Perturbed Extension of H

Poincare's Hydrodynamic A

Mass Effects in the Problem

Triple Close Approaches in

Recent Advances in the Reg

of n Bodies

Time Transformations for F

Three Theorems on Relativ

Linearization of Dynamical

Analytical Determination o

Stellar Systems

Review of Concepts of Stabi

Deformation of a Line-Elem

Libration Point

Transformations of the Per

to Unperturbed Harmonic

On the Capture of the Moo

Evolution of a "Class Two"

General Planar Problem o

Comparison between Stabi

Stability of Outer Planetar

Global Sensitivity to Veloci

Generalizations of the Jaco

An Obituary of Edward L. S

Classification of the Motio

The Problem of Three Bodi

Stability of Artificial and N

Stability of Planetary Orbi

Limits of Predictability of C

Determination of the Poter

Title	Vol.	Iss.	Date Pub.	Page
ative Dynamical System with Three Dimensions	37	2	Oct-85	171
	44	1-2	1988-1989	117
n of Hyperbolic Twist Mappings	42	1-4	1987-1988	369
	26	2	Feb-82	171
amic Analogy in Celestial Mechanics	2	3	Oct-70	339
problem of Three Bodies	6	1	Aug-72	84
nes in the Problem of Three Bodies	8	2	Sep-73	163
ne Regularization of the Gravitational Problem	10	2	Oct-74	183
s for Relative Motion	13	4	Jun-76	465
relative Motion	14	1	Aug-76	113
nmical Systems Using Integrals of the Motion	14	4	Dec-76	499
tion of the Measure of Stability of Triple	15	1	Feb-77	107
f Stability	34	1-4	Sep-84	49
	24	2	Jun-81	183
	23	3	Mar-81	223
	11	4	Jun-75	469
e-Element in the Phase Space at the Triangular	23	2	Feb-81	131
ne Perturbed Two-Body Problem	30	1	May-83	59
monic Oscillators				
e Moon	21	3	Apr-80	259
"Two" Family of Periodic Orbits in the	8	1	Aug-73	11
blem of Three Bodies				
Stability Limits for Satellite Motion	18	4	Nov-78	391
unetary Systems	23	1	Jan-81	3
Velocity Errors at the Libration Points	28	1-2	Sep-82	195
e Jacobian Integral	34	1-4	Sep-84	125
rd L. Steifel (1909-1978)	20	4	Jan-80	3
	22	1	Jul-80	3
Motions of Three Bodies in a Planet	4	1	Sep-71	116
e Bodies	9	3	May-74	359
and Natural Satellites	18	4	Nov-78	383
y Orbits in Binary Systems	22	1	Jul-80	7
ity of Gravitational Systems	43	1-4	1987-1988	139
Potential in a Synodic System	24	1	May-81	23

## Authors

Szebehely, Victor. >See Lundberg, John. 36,2  
 Szebehely, Victor. >See Nacozy, Paul. 13,4  
 Szebehely, Victor. >See Wipple, Arthur L. 32,2  
 Szeto, A., and Lambeck, K.

Taff, L. G.

Taff, L. G., and Randall, P.M.S.

Taff, L.G. >See Morton, B.G. 39,2

Taff, L.G., and Hall, D.L.

Taff, L.G., and Hall, D.L.

Taff, L.G., and Sorvari, J.M.

Tanikawa, Kyotaka

Tapley, B.D. >See Choi, J.S. 7,1

Tapley, B.D. >See Dowd, Douglas L. 20,3

Tapley, B.D. >See Ingram, D.S. 9,2

Tapley, B.D. >See Rosborough, G.W. 40,3-4

Tapley, B.D., and Schutz, B.E.

Tapley, B.D., Schutz, B.E., and Eanes, R.

Tapley, Byron D. >See Cicci, David A. 44,4

Tapley, Byron D.

Tapley, Byron D. >See Ahmed, A.H. 32,4

Taylor, D.B.

Taylor, D.B.

Teifel, V.G. >See Davies, M.E. 39,1

Terry, P.W.

Teschner, W.

Thacker, D.L. >See Knowles, S.H. 22,2

Thuillot, W.

Thuring, Bruno

On Eccentricity Functions for  
 Unsolved Problems of Celestial  
 Two Locations, Two Times, a

The Use of Angles and Angul  
 The Use of angles and angul  
 Differential Correction for ne  
 Impossibility of the Capture  
 in the Restricted Three-Body

Estimation of Unmodeled for  
 Satellite Laser Ranging and

Regularization and the Comp

Families of Asymmetric Peri  
 Problem of Three Bodies for  
 and their Relationship with  
 Evolution with the Mass Par  
 Periodic Solutions of the Re

The Collision Operator and I  
 Two-Body Problem  
 Optimality of Intermediate-  
 Force Fields

The Effect of the Dynamical  
 of the Galilean Satellites of  
 Numerische Untersuchunge  
 Transtrojaner-Bahnen. (Nu  
 Transtrojan Orbits)

Title	Vol.	Iss.	Date Pub.	Page
	36	2	Jun-85	191
	13	4	Jun-76	449
	32	2	Feb-84	137
ons for Eccentric Orbits	27	4	Aug-82	325
Celestial Mechanics	41	1-4	1987-1988	411
mes, and the Element Set	37	2	Oct-85	149
	39	2	1986	181
Angular Rates I	16	4	Dec-77	481
Angular Rates.II.	21	3	Apr-80	281
for near-Stationary Satellites	26	4	Apr-82	423
apture of Retrograde Satellites	29	4	Apr-83	367
ee-Body Problem				
	7	1	Jan-73	77
	20	3	Oct-79	271
	9	2	Apr-74	191
	40	3-4	1987	409
led forces on a Lunar Satellite	12	4	Dec-75	409
g and its Application	37	3	Nov-85	247
	44	4	1988-1989	339
Computation of Optimal Trajectories	2	3	Oct-70	319
	33	1	May-84	1
c Periodic Solutions of the Restricted	29	1	Jan-83	51
ies for the Sun-Jupiter Mass Ratio				
p with the Symmetric Families				
ss Parameter of Families of Asymmetric	29	1	Jan-83	75
the Restricted Three Body Problem				
	39	1	May-86	103
r and Long-Time Behavior of a Perturbed	23	2	Feb-81	119
diate-Thrust arcs in Rotating Potential	21	3	Apr-80	311
	22	2	Jul-80	197
ical Parameters in the Motion	34	1-4	Sep-84	245
ites of Jupiter				
hungen uber Nicht-Periodische	2	3	Oct-70	351
n. (Numerical Explorations of Non-Periodic				

## Authors

Tibbitts, Richard. >See Kamel, Ahmed 8,1  
 Tibbitts, Richard. >See Kamel, Ahmed. 8,1  
 Timoshkova, E. I.

Tjuflin, Y.S. >See Davies, M.E. 22,3  
 Tjuflin, Y.S. >See Davies, M.E. 29,4  
 Tjuflin, Y.S. >See Davies, M.E. 39,1

Traas, C. R.  
 Tscharnuter, W.M.  
 Tschauner, J.

Tschauner, J.

Tschauner, J.  
 Tschauner, J.

Tsitouras, Ch. >See Papageorgiou, G. 44,1-2  
 Tsuchida, M. >See Biancale, R. 26,3  
 Tsuchida, Masayoshi. >See Yokoyama, Tadashi. 41,1-4  
 Tupikova, I.V.

Tureshbaev, A.T. >See Kunitsyn, A.L. 35,1  
 Vagners, J. >See Lewin, L. 14,4  
 Vagners, Juris. >See Breakwell, John V.2,2  
 Valkering, T.P.

Valsecchi, G.B. >See Carusi, A. 43,1-4  
 Valsecchi, Giovanni B., Carusi, Andrea, and Roy, Archie E.

Valtonen, M.J., and Heggie, D.C.

Valtonen, Mauri J. >See Huang, Tian-Yi 42,1-4  
 Van Dam, Hendrik  
 Van Der AA, Els  
 Van Der Ha, J.C.

The Formal Integrals of the  
 Problem of Three Bodies

Experiments in Orbit Determination  
 The Formation of the Planets  
 Die Bewegung in der Nahe eines  
 Eingeschränkten Dreikörpers  
 Die Aufspaltung der Variationen  
 Eingeschränkten Dreikörpers  
 Das Elliptische Eingeschränkte  
 Die Bewegung in der Nahe eines  
 Eingeschränkten Dreikörpers

Account of additional Perturbations  
 Obtained by Lie Transformations

Periodic Travelling Waves in  
 One-Dimensional Lattice

The Effect of Orbital Eccentricity  
 Analytical Stability Surfaces  
 Three-Body Gravitational Scattering  
 and Experiment

E. Schrodinger, Space-Time  
 First-Order Resonances in  
 Three-Dimensional Subspace  
 and Oblateness Perturbations



Title	Vol.	Iss.	Date Pub.	Page
	8	1	Aug-73	45
	8	1	Aug-73	121
of the Restricted Planar dies	36	2	Jun-85	105
	22	3	Oct-80	205
	29	4	Apr-83	309
	39	1	May-86	103
Determination Using Numerical Methods	36	4	Aug-85	299
Planetary System	34	1-4	Sep-84	289
Nahe der Dreieckspunkte des Elliptischen eikörperproblems	3	2	Mar-71	189
Variationsgleichungen des Elliptischen eikörperproblems	3	3	Apr-71	395
Schränkte Dreikörperproblem	8	2	Sep-73	181
Nahe der Dreieckspunkte des Elliptischen eikörperproblems II	9	4	Jul-74	419
	44	1-2	1988-1989	167
	26	3	Mar-82	225
	41	1-4	1987-1988	99
Perturbations in Canonical System Solutions nsforms	33	4	Aug-84	337
	35	2	Feb-85	105
	14	4	Dec-76	429
	2	2	Jul-70	253
aves in a Non-integrable attice	28	1-2	Sep-82	119
	43	1-4	1987-1988	319
Eccentricities on the Shape of the Hill-Type Surfaces in the General Three-Body Problem	32	3	Mar-84	217
onal Scattering: Comparison between Theory	19	1	Jan-79	53
	42	1-4	1987-1988	223
e Time Structures (Book Review)	38	4	Apr-86	389
es in Three-Degrees-of-Freedom Systems	31	2	Oct-83	163
ubsatellite Motion under Air Drag	26	3	Mar-82	285
urbations				

## Authors

Van Der Ha, J.C., and Modi, V.J.

Van Der Laan, V., and Verhulst, F.

Van Der Meer, Jan-Cees

Van Flandern, T.C.

Van Flandern, T.C.

Van Flandern, T.C.

Van Flandern, Thomas C.

Van Flandern, Thomas C.

Van Flandern, Thomas. >See Williams, Carol A. 4 0,3-4

Van Patten, R.A., and Everitt, C.W.F.

Van Velsen, J.F.C.

Varadi F.

Varadi, F., and Erdi, B.

Vashkovjak, M.A.

Vasilevskis, S., and Klemola, A.R.

Velez, C.E.

Velez, C.E., and Hilinski, Stan

Velte, W.

Verhulst, F. >See Martinet, L. 25,1

Verhulst, F. >See Van Der Laan, V. 6,3

Verhulst, Ferdinand

Verhulst, Ferdinand

Vicente, R.O.

Vidyakin, V.V.

Vidyakin, V.V.

Long-Term Evaluation of T

Trajectories with Arbitrar

The Transition from Ellipti

Problem by Slow Loss of M

Nonsemisimple 1:1 Resonanc

Notes on Equinox Motion a

Satellites of Minor Planets:

Application of a New Algebr

Corrections to the Improve

Note on the Earth-Figure F

A Possible Experiment with

Satellites to Obtain a New

Relativity and Improved M

Isoenergetic Families of Qu

Equilateral Solution of th

Two-Parameter Lie Transfo

Existence of the Solution of

in Three Dimensions Usin

On the Stability of Circula

System

On the Correction to Prec

to Galaxies

Notions of Analytic Vs Num

Numerical Calculation of

Time Transformations and

Concerning the Regulariz

Two-Body Problem with SI

Asymptotic Expansions in

Application to Systems of

Observed and Theoretical

Lagrangian and near-Lagr

Motion of the Three-Body

Euler Solutions in the Pro

of Three Rigid Bodies (Ru

Title	Vol.	Iss.	Date Pub.	Page
n of Three-Dimensional Heliocentric Solar Sail	19	2	Feb-79	113
bitrary Fixed Sail Setting				
Elliptic to Hyperbolic Orbits in the Two-Body	6	3	Nov-72	343
ss of Mass				
esonance at Equilibrium	27	2	Jun-82	131
tion and Corrections to Precession	4	2	Oct-71	182
anets: A New Frontier for Celestial Mechanics	22	1	Jul-80	79
Algebraic Manipulation to Planetary Theory	26	2	Feb-82	197
proved Lunar Ephemeris	1	2	Oct-69	163
figure Perturbations in the Lunar Theory	13	4	Jun-76	511
	40	3-4	1987	367
nt with Two Counter-Orbiting Drag-Free	13	4	Jun-76	429
a New Test of Einstein's General Theory of				
oved Measurements in Geodesy				
s of Quasi-Periodic Solutions near the	23	4	Apr-81	383
s of the Three-Body Problem				
ransforms	36	2	Jun-85	133
tion of Szebehely's Equation	30	4	Aug-83	395
s Using a Two-Parametric Family of Orbits				
ircular 'Asteroid' Orbits in an N-Planetary	13	3	May-76	313
Precession from Proper Motions Referred	4	2	Oct-71	163
's Numerical Stability as Applied to the	10	4	Dec-74	405
ion of Orbits				
s and Cowell's Method	17	1	Jan-78	83
larizing KS-Transformation	17	4	May-78	395
	25	1	Sep-81	93
	6	3	Nov-72	343
with Slowly Decreasing Mass	5	1	Jan-72	27
ons in the Perturbed Two-Body Problem with	11	1	Feb-75	95
ms of Variable Mass				
etical Values of the Nutations	4	2	Oct-71	186
-Lagrangian Solutions of the Translatory-Rotary	13	3	May-76	325
-Body Problem				
e Problem of the Translatory-Rotatory Motion	16	4	Dec-77	509
es (Russian)				

## Authors

Vigneron, F.R., and Staley, D.A.

Viguera, A. >See Cid, R. 36,2

Viguera, A. >See Sansaturio, M.E. 41,1-4

Vincent, Mark A.

Vinh, N.X.

Vinh, N.X.

Vinh, Nguyen X.

Vinh, Nguyen X., and Dobrzelecki, Arthur J.

Vinti, John P.

Vinti, John P.

Vinti, John P.

Vinti, John P.

Vinti, John P.

Vinti, John P.

Vinti, John P.

Vinti, John P.

Vitins, M.

Vitins, M. >See Kirchgraber, U. 12,2

Vivarelli, Maria Dina

Vivarelli, Maria Dina

Vivarelli, Maria Dina

Vivarelli, Maria Dina

Vleeschauwer, A. de >See Henrad, Jaques 43,1-4

Voinov, A. V.

Volk, G.

Volk, G.

Satellite Attitude Acquisition

The Controlled Wheel Speed

The Relativistic Equations of

about a Finite-Size, Rotating

Recurrence Formulae for the

Sur la stabilité des points d'équilibre

probleme restreint elliptique

Sur les solutions périodiques

des satellites et des planètes

Nonlinear Longitudinal Dynamics

Conservation Laws and Liapunov

of a Rigid Body

Representation of the Earth's

Theory of an Experiment in

Determine the Gravitation

Possible Effects of Anisotropy

Gaussian Variational Equations

Arbitrary Separable Reference

Quadrature Solution for the

Satellite Or a Planet

Newtonian Cosmology if Gravity

Newtonian Cosmology with

Keplerian Motion and Gyration

The KS-Transformation in

Development of Spinor Descriptions

from Euler's Rigid Body Dynamics

The DS-Transformation in

of the Negative-Energy Orbits

Geometrical and Physical Consequences

Motion and Rotation of Celestial

Bemerkungen zur Geschichte der

Remarks about the History of

Title	Vol.	Iss.	Date Pub.	Page
Acquisition by Momentum Transfer - Speed Method	27	2	Jun-82	111
	36	2	Jun-85	155
	41	1-4	1987-1988	297
Equations of Motion for a Satellite in Orbit	39	1	May-86	15
Rotating Earth				
for the Hansen's Developments	2	1	May-70	64
Points d'équilibre triangulaires dans le plan elliptique	6	3	Nov-72	305
Équations du mouvement plan de libration des planètes	8	3	Nov-73	371
Orbital Dynamics of an Orbital Lifting Vehicle	3	4	Jul-71	427
Liapounov Stability of the Free Rotation	1	1	Jun-69	59
Earth's Gravitational Potential	4	3-4	Dec-71	348
Experiment in an Orbiting Space Laboratory to Determine the Gravitational Constant	5	2	Mar-72	204
Isotropy of G on Celestial Orbits	6	2	Sep-72	198
Equations for Osculating Elements of an Orbit Relative to a Reference Orbit	7	3	Apr-73	367
Equations for the General Relativistic Motion of a Particle if G Varies	8	2	Sep-73	235
Equations of Motion if G Varies	14	3	Nov-76	363
Equations of Motion with a Varying Gravitational Constant	16	4	Dec-77	391
Precession of the Equinoxes	17	2	Feb-78	173
	12	2	Sep-75	139
Equations in Hypercomplex Form	29	1	Jan-83	45
Two Descriptions of Rotational Mechanics	32	3	Mar-84	193
Body Displacement Theorem				
Equations in Hypercomplex Form and The Quantization of Energy Orbit Manifold of the Kepler Problem	36	4	Aug-85	349
Physical Outlook on the Cross Product of Two Quaternions	41	1-4	1987-1988	359
	43	1-4	1987-1988	99
Equations of Celestial Bodies in the Post-Newtonian Approximation	42	1-4	1987-1988	293
Schichtung der Himmelsmechanik	2	3	Oct-70	398
History of Celestial Mechanics	2	3	Oct-70	424

## Authors

Volk, O.

Volk, Otto

Volk, Otto

Volk, Otto

Volk, Otto

Volk, Otto

Von Grunhagen, Wolfgang. >See Baumgarte, Joachim. 20,2

Vozikis, Ch. >See Caranicolos, N. 39,1

Vozikis, Ch. >See Caranicolos, N. 40,1

Vu, D.T.

Vujicic, V.A.

Wade, C.M. > See Siedelmann, P.K. 34, 1-4

Wagner, C.A. >See Bartlett, J.H. 2,2

Wagner, C.A., and Klosko, S.M.

Wagner, Carl A. >See Douglas, Bruce C. 1,2

Waldvogel, J.

Waldvogel, J. >See Scebehely, V. 20,4

Waldvogel, Joerg

Waldvogel, Joerg

Waldvogel, Joerg

Waldvogel, Jorg

Waldvogel, Jorg

Waldvogel, Jorg

Walker, D.E. >See Broucke, R. 21,1

Walker, Doreen M.C. >See King-Hele, D.G. 5,1

Walker, Ian W.

Walker, Ian W.

Johann Heinrich Lambert a

Planets and Comets

Kepleriana

Concerning the Derivation o

Miscellanea from the Histor

400 Jahre Mathematik und

Alma Julia Herbipolensis 1

Astronomy at the Wurzburg

Alma Julia Herbipolensis 1

Determination des demi-gra

de Jupiter (Determination

Galilean Satellites of Jupit

On the Origin of Rotation of

Gravitational Harmonics fr

Note Concerning a Conjectu

A New Regularization of the

The Rectilinear Restricted M

The Three-Body Problem ne

The Close Triple Approach

The Variational Equation of

Symmetric and Regularized

on the Plane Triple Collisi

Stability Criteria in Many-B

Parameters for General H

On the Stability of Close Bi

Three-Body Systems

Title	Vol.	Iss.	Date Pub.	Page
bert and the Determination of Orbits for	21	2	Feb-80	237
	8	2	Sep-73	283
ation of the KS-Transformation	8	2	Sep-73	297
	8	2	Sep-73	307
History of Celestial Mechanics	14	3	Nov-76	365
k und Astronomie an der Universitat Wurzburg:	28	1-2	Sep-82	243
ensis 1582-1982 (400 Years Mathematics and				
urzburg University:				
ensis 1582-1982)				
	20	2	Aug-79	173
	39	1	May-86	85
	40	1	1987	35
mi-grands axes des satellites galileens	26	3	Mar-82	265
ination of the Semi-Major axes of the				
f Jupiter)				
tion of a Celestial Body	44	1-2	1988-1989	45
	34	1-4	Sep-84	39
	2	2	Jul-70	228
ics from Shallow Resonant Orbits	16	2	Oct-77	143
	1	2	Oct-69	252
onjecture by A. Wintner	5	1	Jan-72	37
	20	4	Jan-80	3
a of the Planar Problem of Three Bodies	6	2	Sep-72	221
icted Problem of Three Bodies	8	2	Sep-73	189
lem near Triple Collision	14	3	Nov-76	287
roach	11	4	Jun-75	429
tion of The Three-Body Problem	21	2	Feb-80	171
arized Coordinates	28	1-2	Sep-82	69
Collision Manifold				
	21	1	Jan-80	73
	5	1	Jan-72	41
Many-Body Systems. IV: Empirical Stability	29	2	Feb-83	149
eral Hierarchical Dynamical Systems				
ose Binaries in Hierarchical	29	3	Mar-83	215

## Authors

Walker, Ian W. >See Emslie, A. Gordon. 19,2

Walker, Ian W. >See Schwarz, Hugo E. 27,2

Walker, Ian W., and Roy, Archie E.

Walker, Ian W., and Roy, Archie E.

Walker, Ian W., and Roy, Archie E.

Walker, Ian W., Emslie, A. Gordon, and Roy, Archie E.

Walker, M. J. H., Ireland, B., and Owens, Joyce

Walker, M. J., et al.

Wallis, Max K.

Walter, H. G.

Walter, Hans G.

Watson, J. S., Mistretta, G. D., and Bonavito, N. L.

Wauthier, Pascal >See Henrad, Jacques 44, 3

Weiss, G. >See House, F. 18,4

Weiss, Nelson R. >See Rubincam, David Parry. 38,3

Westerhout, Gert

Westerhout, Gert

Whipple, A. L. >See Duncombe, R. L. 34,1-4

Whipple, A. L. >See Szebehely, V. 34,1-4

Whipple, Arthur L.

Whipple, Arthur L.

Whipple, Arthur L., and White, Lisa K.

White, Lisa K. >See Whipple, Arthur L. 35,1

Whitman, Patrick G., and Matese, John J.

Wiegandt, R. >See House, F. 18,4

Wielen, Roland

Wiesel, W.

Wiesel, W.

Stability Criteria in Many-B

Condition for the Stability

Systems

Stability Criteria in Many-B

for Corotational, Coplanar,

Stability Criteria in Many-B

of Possible Hierarchical Ge

Stability Criteria in Many-B

A Set of Modified Equinoctia

Errata. A Set of Modified Eq

Stochastic Scattering and O

in the Local Hydrogen Clo

Lame Functions of the First

Association of Spherical and

of the Earth's Potential

An Analytical Method to Ac

Theory

Welcome

Fricke's Influence on the W

Three Dimensional Regions

about the Triangular Equi

Equilibrium Solutions of the

Stability of Binary Asteroid

Generalized Lagrangian Or

Dynamical Evolution of Sta

Orbital and Solar Resonanc

Perturbation Theory in the

Repeated Linear Transfor



Title	Vol.	Iss.	Date Pub.	Page
	19	2	Feb-79	147
	27	2	Jun-82	191
any-Body Systems. II: On a Sufficient bility of Coplanar Hierarchical Three-Body	24	2	Jun-81	195
any-Body Systems. III: Empirical Stability planar, Hierarchical Three-Body Systems	29	2	Feb-83	117
any-Body Systems. V: on the Totality cal General Four-Body Systems	29	3	Mar-83	267
any-Body Systems, I	22	4	Nov-80	371
inocetial Orbit Elements	36	4	Aug-85	409
ied Equinoctial Orbit Elements'	38	4	Apr-86	391
and Other Contributions to the Sun's Wake n Cloud	13	1	Feb-76	65
First Kind Generated by Computer	4	1	Sep-71	15
al and Ellipsoidal Gravity Coefficients ial	2	3	Oct-70	389
to Account for Drag in the Vinti Satellite	11	2	Mar-75	145
	44	3	1988-1989	227
	18	4	Nov-78	311
	38	3	Mar-86	233
	22	1	Jul-80	5
the World of Astronomy	37	3	Nov-85	345
	34	1-4	Sep-84	19
	34	1-4	Sep-84	125
egions of Stability	30	4	Aug-83	385
r Equilibrium Points				
s of the Restricted Problem of 2+2 Bodies	33	3	Jul-84	271
teroids	35	1	Jan-85	95
	35	1	Jan-85	95
an Orbital Elements for Central Force Problems	36	1	May-85	71
	18	4	Nov-78	311
of Star Clusters as an N-Body Problem	2	3	Oct-70	353
onance in the Jovian Moon System	21	3	Apr-80	265
in the Vicinity of a Periodic Orbit by nsformations	23	3	Mar-81	231

## Authors

Wiesel, W.E.  
Wiesel, William

Wilkens, G.A. >See Emerson, B. 4,2  
Wilkins, G.A.  
Wilkins, G.A. >See Davies, M.E. 22,3  
Williams, Bobby G.

Williams, C.A.  
Williams, C.A. >See Seidelmann, P.K. 43,1-4  
Williams, Carol  
Williams, Carol A. >See Garfinkel, Boris. 9,1  
Williams, Carol A., Van Flandern, Thomas, and Wright, Edward A.  
Williams, I.P. >See Donnison, J.R. 31,2  
Williamson, R.G. >See Douglas, B.C. 10,2  
Williamson, Ronald G. >See Douglas, Bruce C. 1,2  
Williamson, W.E.

Wipple, Arthur L., and Szebehely, Victor  
Wirrer, R. >See Soffel, M. 42,1-4  
Wisdom, Jack  
Wnuk, E. >See Serafin, R. A. 42,1-4  
Wnuk, Edwin  
Wnuk, Edwin, and Wytrzyszczak, Iwona  
Wright, Edward A. >See Williams, Carol A. 40,3-4  
Wytrzyszczak, Iwona

Wytrzyszczak, Iwona >See Wnuk, Edwin 42,1-4  
Yan, Zeh-Ming >See Sun, Yi-Sui 42,1-4  
Yehia, H M.  
Yehia, H.M.  
Yi, Zhao-Hua. >See Jefferys, W.H. 30,1  
Yi-Sui, Sun. >See Marchal, C. 34,1-4  
Yi-Sui, Sun. >See Marchal, Christian. 33,2  
Yoder, Charles F.  
Yoder, Charles F.

A Statistical Theory of Resonance  
The Second Integral of the Hamiltonian  
Elements

The Improvement of the Lunar Tables

A Note on the Limits of Stability of  
Three Bodies as Applied to  
The Problem of Small Divisors

Alternative Representation of the

First Order Planetary Perturbations

An Intermediate Matching Problem  
Value Problems Using the  
The Restricted Problem of the Three

Canonical Solution of the Two-Body

Tesseral Harmonic Perturbations  
The Inclination Function in the

Nonsingular Elements in the  
of Small Eccentricity and

Equivalent Problems in Rigorous  
Equivalent Problems in Rigorous

Establishment and Evolution of  
Diagrammatic Theory of

Title	Vol.	Iss.	Date Pub.	Page
Resonance Motion in the Sun-Jupiter System	13	1	Feb-76	3
of the Restricted Problem in Regularized	10	3	Nov-74	277
	4	2	Oct-71	128
the Lunar Ephemeris	2	3	Oct-70	368
	22	3	Oct-80	205
of Stability for the Restricted Problem of	19	4	May-79	357
lied to the Sun-Earth-Moon System				
Divisors in Planetary Motion	34	1-4	Sep-84	395
	43	1-4	1987-1988	409
ation of Planetary Perturbations (abstract only)	43	1-4	1987-1988	35
	9	1	Mar-74	105
Perturbations with Elliptic Functions	40	3-4	1987	367
	31	2	Oct-83	123
	10	2	Oct-74	165
	1	2	Oct-69	252
ching Technique for Solving Two Point Boundary	5	2	Mar-72	174
ng the Perturbation Method				
m of $n+v$ Bodies	32	2	Feb-84	137
	42	1-4	1987-1988	81
the Two Critical Argument Problem	38	2	Feb-86	175
	42	1-4	1987-1988	175
erturbations for High Order and Degree Harmonics	44	1-2	1988-1989	179
ction in Terms of Non-singular Elements	42	1-4	1987-1988	251
	40	3-4	1987	367
ts in Description of the Motion	38	2	Feb-86	101
y and Inclination Satellites				
	42	1-4	1987-1988	251
	42	1-4	1987-1988	369
in Rigid Body Dynamics - I	41	1-4	1987-1988	275
in Rigid Body Dynamics - II	41	1-4	1987-1988	289
	30	1	May-83	85
	34	1-4	Sep-84	65
	33	3	Jul-84	193
volution of Satellite-Satellite Resonances	12	1	Aug-75	97
y of Transition of Pendulum-like Systems	19	1	Jan-79	3

## Authors

Yokoyama, Tadashi

Yokoyama, Tadashi, and Sato, Massae

Yokoyama, Tadashi, Sato, Massae, and Tsuchida, Masayoshi

Yoshida, Haruo

Yoshida, Haruo

Yoshida, Haruo

Yoshida, Haruo

Yoshida, Haruo

Yoshida, Haruo

Yoshida, J. >See Marchal, C. 34,1-4

Yoshida, Junzo. >See Marchal, Christian. 33,2

Yoshikawa, Makoto

Zadunaisky, P.E.

Zadunaisky, Pedro E. >See Diaz-Bobillo, Ignacio J. 42,1-4

Zagouras, C. >See Ragos, O. 44,1-2

Zagouras, C. G.

Zagouras, C., and Markellos, V.V.

Zagouras, C.G. >See Markellos, V.V. 16,1

Zagouras, Ch. >See Kalvouridis, T. 37,2

Zanardi, M. C.

Zare, K.

Zare, K.

Zare, K.

Zare, K.

Zare, K.

Zare, K. >See Aarseth, S.J. 10,2

Zare, K., and Szebehely, V.

Reappearances of Ordered M

in Strongly Non-Linear Ha

On the 3/1 Planar and Circu

Some Instabilities in the 3/1

A New Derivation of the Ku

Necessary Condition for the

I: Kowalevski's Exponents

Necessary Condition for the

II: Condition for Algebraic

A Type of Second Order Lin

with Periodic Coefficients t

Exponents have Exact Exp

Exponential Instability of C

A Note on Kowalevski Expo

of an Additional Analytic

A Simple Analytical Model

On the Accuracy in the Nur

Three-Dimensional Periodic

Points of the Restricted Pr

Three-Dimensional Periodic

in Hill's Problem

Study of the Terms of Coup

The Effects of Integrals on

Systems

Bifurcation Points in the Pl

Properties of The Moment o

Numerical Stabilization of

The Possible Motions of a S

Time Transformations in th

Title	Vol.	Iss.	Date Pub.	Page
ered Motions	33	2	Jun-84	99
ar Hamiltonian Systems				
Circular Resonant Problem	39	2	1986	117
he 3/1 and 2/1 Resonances	41	1-4	1987-1988	99
he Kustaanheimo-Stiefel Variables	28	1-2	Sep-82	239
or the Existence of Algebraic First Integrals.	31	4	Dec-83	363
ments				
or the Existence of Algebraic First Integrals.	31	4	Dec-83	363
braic Integrability				381
er Linear Ordinary Differential Equations	32	1	Jan-84	
ients for which the Characteristic				
ct Expressions				
y of Collision Orbit in the Anisotropic Kepler Problem	40	1	1987	51
Exponents and the Non-Existence	44	4	1988-1989	313
alytic Integral				
	34	1-4	Sep-84	65
	33	3	Jul-84	193
Model for the Secular Resonance $\nu_6$ in the Asteroidal Belt	40	3-4	1987	233
he Numerical Solution of the N-Body Problem	20	3	Oct-79	209
	42	1-4	1987-1988	385
	44	1-2	1988-1989	135
eriodic Orbits about the Triangular Equilibrium	37	1	Sep-85	27
ted Problem of Three Bodies				
eriodic Solutions around Equilibrium Points	35	3	Mar-85	257
	16	1	Sep-77	123
	37	2	Oct-85	161
Coupling between Rotational and Translational Motions	39	2	1986	147
als on the Totality of Solutions of Dynamical	14	1	Aug-76	73
the Planar Problem of Three Bodies	16	1	Sep-77	35
ment of Inertia in The Problem of Three Bodies	24	4	Aug-81	345
ion of Keplerian Motion	26	4	Apr-82	407
of a Satellite about an Oblate Planet	30	1	May-83	49
	10	2	Oct-74	185
s in the Extended Phase-Space	11	4	Jun-75	469

## Authors

Zare, Khalil

Zavattaro Chiado Piat, M.G. &gt;See Bonzani, I. 37,4

Zee, Chong-Hung

Zele, Frank. &gt;See Hitzl, Donald. 41,1-4

Zelmer, G.

Zerbini, Susanna

Zhuravlev, S.G.

Zhuravlev, S.G.

Zhuravlev, S.G.

Zhuravlev, S.G.

Zhuravlev, S.G.

Zhuravlev, S.G., and Anikovsky, V.V.

Ziglin, S.L. &gt;See Lidov, M.L. 13,4

Ziglin, S.L. &gt;See Lidov, M.L. 9,2

Zipse, H.W.

Zlatoustov, V.A., and Markeev, A.P.

A Regularization of Multiple Problems

Trajectories of Satellites under the Influence of Earth Oblateness and Atmospheric Drag

(E,r,alpha,beta) Summability of the Direct Solar and Earth-Albedo Radiation Orbit of Pageos I

Stability of the Libration Points of the Earth-Moon System

About the Stability of the Libration Points of the Earth-Moon System

Ellipsoid in a Degenerate Case

Conditionally Periodic Solutions of the Restricted Three-Body Problem

Differential Equations in the Theory of the Motion of Celestial Bodies

On Stationary Solutions of the Problem of the Motion of Celestial Bodies

of Differential Equations

Construction of Conditional Extremals

of Canonical Systems with a Nonholonomic Constraint

Expansion of the Perturbation Series in the

Four-Body Problem

Lageabweichung einer Drahtschleife unter dem Einfluss des Solardrucks

Stability of Planar Oscillations of a Particle in an Elliptic Orbit

Elliptic Orbit

Title	Vol.	Iss.	Date Pub.	Page
Multiple Encounters in Gravitational N-Body	10	2	Oct-74	207
Orbits under the Combined influences	37	4	Dec-85	371
and Air Drag	3	2	Mar-71	148
Stability in the Hyperbolic Two-Body Problem	41	1-4	1987-1988	65
with albedo Radiation Pressure Effects on the	6	1	Aug-72	40
Libration Points of a Rotating Triaxial Ellipsoid	22	4	Nov-80	307
of the Libration Points of a Rotating Triaxial	6	3	Nov-72	255
General Case	8	1	Aug-73	75
Periodic Solutions of the Canonical Systems of	19	1	Jan-79	77
Orbits in Non-autonomous Resonant Case	25	3	Nov-81	297
Solutions of Some Canonical Systems	27	2	Jun-82	179
Periodically-Periodic Solutions	24	3	Jul-81	237
Orbits with Multiple Resonance	13	4	Jun-76	471
Disturbing Function of a Satellite Restricted	9	2	Apr-74	151
Stability of a Satellite Restricted	4	3-4	Dec-71	329
Stability of a Satellite Restricted	7	1	Jan-73	31